



# भारत का राजपत्र The Gazette of India

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No. 20]

NEW DELHI, SATURDAY, MAY 15—MAY 21, 2004 (VAISAKHA 25, 1926)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## [PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]

[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Kolkata, the 15th May 2004

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3. Patent Office Branch,  
Guna Complex, 6th Floor, Annex-II,  
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The States of Andhra Pradesh,  
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Pondicherry and the Union  
Territories of Laccadive, Minicoy and  
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Telegraphic Address "PATENTOFFIC"  
Phone Nos. (044) 2431 4324/4325/4326.  
Fax Nos. (044) 2431 4750/4751.  
E-mail, patentchennai@vsnl.net

4. Patent Office (Head Office),  
Nizam Palace, 2nd M.S.O. Building,  
5th, 6th & 7th Floor,  
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Kolkata-700 020.

Rest of India

Telegraphic Address "PATENTS"  
Phone Nos. (033) 2247 4401/4402/4403.

Fax Nos. (033) 2247 3851, 2240 1353.  
E-mail, patentin@vsnl.com  
patindia@glascl01.vsnl.net.in  
Website : http://www.Ipindia.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 2002 or by the Patents Rules, 2003 will be received only at the appropriate offices of the Patent Office.

Fees : The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

### पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कोलकाता, दिनांक 15 मई 2004

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

1. पेटेंट कार्यालय शाखा,  
वेडी इस्टेट, सीसरा ताल,  
सन मिल कम्पाउंड,  
लोअर फरेल (वेस्ट),  
मुम्बई - 400 013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश तथा  
गोआ राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली ।

तार पता : "पेटेंटिस"

फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852

फैक्स : (022) 2495 0622, 2490 3852

ई. मेल : patmum@vsnl.net

2. पेटेंट कार्यालय शाखा,  
डब्ल्यू-5, वेस्ट पटेल नगर,  
नई दिल्ली - 110 008 ।

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता : "पेटेंटोफिक"

फोन : (011) 2587 1255, 2587 1256, 2587 1257,  
2587 1258.

फैक्स : (011) 2587 1256.

ई. मेल : delhipatent@vsnl.net

3. पेटेंट कार्यालय शाखा,

गुना कम्प्लेक्स, छत्र तल, एनेक्स-II,  
443, अन्नसलाई, तेनामपेट,  
चेन्नई - 600 018 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ  
शासित क्षेत्र लक्षद्वीप, मिनिक्काय तथा एमिनिदिवि द्वीप ।  
तार पता - "पेटेंटोफिक"

फोन : (044) 2431 4324/4325/4326.

फैक्स : (044) 2431 4750/4751.

ई. मेल : patentchennai@vsnl.net

4. पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय  
भवन, 5वां, 6वां व 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कोलकाता - 700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

फोन : (033) 2247 4401/4402/4403.

फैक्स : (033) 2247 3851, 2240 1353.

ई. मेल : patentin@vsnl.com

patindia@glascl01.vsnl.net.in

वेब साइट : http://Ipindia.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002 अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक, पेटेंट को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है।

**CORRIGENDUM**

Under the heading **PATENTS SEALED ON 01.02.2002**, in the Gazette of India, Part-III, Section 2 dated the 2<sup>nd</sup> March, 2002, please *delete* the patent number 186179.

**CORRIGENDUM**

In the Gazette of India, Part - III, Section 2 dt. 09/08/2003 in respect of Patent No. 190570 (Application No. 555MUM/2001). Please incorporate under Application No. "DIVISIONAL TO 190/MUM/2000 DATED 06/03/2000."

**Application for the patent filed at The Patent Office, Kolkata.**

**From : 07/04/2004 To : 16/04/2004**

166/KOL/2004	WYETH, , 7.8.2001, United States of America; "A METHOD OF MAKING A PRODUCT FOR TREATING A NEOPLASM IN A MAMMAL"
167/KOL/2004	WYETH, , 16.3.2001, United States of America; "A PROCESS FOR MAKING A PHARMACEUTICAL COMPOSITION"
168/KOL/2004	WYETH, , 16.3.2001, United States of America; "PROCESS FOR MAKING PHARMACEUTICAL COMPOSITION"
169/KOL/2004	GOUTAM MUKHERJEE, SANJAY CHAKRABORTY, GOPAL KRISHNA BISWAS. AT GOVERNMENT COLLEGE OF ENGINEERING AND LEATHER TECHNOLOGY, LB-BLOCK, SECTOR-III, SALT LAKE, KOLKATA-700098.; West Bengal, India; "IMPROVED METHOD OF CHROME TANNING PROCESS"
170/KOL/2004	MAC VALVES, INC.; , 11.4.03, United States of America; "PROPORTIONAL PRESSURE REGULATOR HAVING POSITIVE AND NEGATIVE PRESSURE DELIVERY CAPABILITIES"
171/KOL/2004	TAPAS CHANDA ; West Bengal, India; "COOKING GAS CHEAP ALUMINA (A12O3) MANUFACTURING TECHNIQUE CERAMIC TILES SOL-GEL SYNTHESIS FOR PORCELAIN MANUFACTURING TORSIONED (SURFACE MODIFIED) STEEL BARS STOCKS ETC. FOR CONSTRUCTION BUSINESS PILES FOR CONSTRUCTION BUSINESS, PILES FOR CONSTRUCTION BUSINESS, FLUORESCENT LAMPS, SLAG CEMENT, SOLID STATE BATTERY, FUEL GAUGE."
172/KOL/2004	TAPAS CHANDA ; West Bengal, India; "ANTISEPTIC CREAM MILK IN CARTON & BOTTLE WORD GAME SCRABBLE AND CROSS WORD PUZZLE CAPSULE & COATED PILLS ETC. MOLLASSES SPRING LOADED ;AND FOLDED UMBRELLA SPONGE FOR LCUSHIONING (MATTRESS SOFA CTC) SELF ASHESIVES PAPERS FLASH (TORCH) LIGHT SHAVING RAZOR PERFORATED PAPERS FOR EASY TEARING PIPE AS DRINK ACCESSORIES BRICKS FROM MUD PEARL STONES GEMS PRECIOUS STONES AESOPGUL AS LAXATIVES"
173/KOL/2004	COPELAND CORPORATION.; , 14/04/2003, United States of America; "RECIPROCATING COMPRESSOR."
174/KOL/2004	ECI TELECOM LTD.; , 15/04/2003, Israel; "TECHNOLOGY FOR IMPROVING STP PROTOCOLS IN ETHERNE NETWORKS SUPPORTING VLANS."
175/KOL/2004	WALTER AG.; , 17/04/2003, Germany; "CHIP-REMOVING TOOL AND CUTTING INSERT THEREFOR."
176/KOL/2004	SATAKE CORPORATION & EM PRECISION TECHNOLOGIES

	LTD.; , 18/04/2003, Japan; "PIEZOELECTRIC AIR VALVE AND MULTIPLE-TYPE PIEZOELECTRIC AIR VALVE."
177/KOL/2004	DAINICHISEIKA COLOR & CHEMICALS MFG.CO.LTD.; , 28/12/1998, Japan; "PIGMENT DISPERSANTS PIGMENT DISPERSIONS, AND WRITING OR RECORDING PIGMENT INKS."
178/KOL/2004	TORRENT PHARMACEUTICALS LTD.; West Bengal, India; "2-PROPENE -1-ONE AS A HEAT SHOCK PROTIEIN INDUCER."
179/KOL/2004	KM EUROPA METAL AKTIENGESSELLSCHAFT.; , 13/08/2003, Germany; "LIQUID-COOLED INGOT MOULD."
180/KOL/2004	JADAVPUR UNIVERSITY ; West Bengal, India; "A NOVEL HORMONE RELEASING INTRAUTERINE DEVICE AND A PROCESS FOR THE PREPARATION THEREOF.."
181/KOL/2004	LG ELECTRONICS INC.; , 18/04/2003, Korea; "COMPRESSOR."
182/KOL/2004	SANYO ELECTRIC CO. LTD. AND SANYO ELECTRIC AIR CONDITIONING CO. LTD.; , 24/04/2003, Japan; "ABSORPTION REFRIGERATING MACHINE."

### Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 629/CAL/2002 A

(22) Date of filing of : 08/11/2002  
application

(54) Title of the Invention : "COLOR SORTING APPARATUS FOR GRANULAR OBJECT WITH OPTICAL DETECTION DEVICE CONSISTING OF CCD LINEAR SENSOR"

<p>(51) International classification : B07C 5/342  (30) Priority Data :  (31) Document No. 2001-344429, 2002-246060  (32) Date : 09/11/2001 &amp; 27/08/2002  (33) Name of convention country : JAPAN  (66) Filed U/s 5(2) :NIL  (61) Patent of addition to application No. NA  (62) Filed on :NA  (63) Divisional to Application No. :NIL  (64) Filed on :NA</p>	<p>(71) Name of the Applicant : SATAKE CORPORATION, AT 7-2, SOTOKANDA 4-CHOME, CHIYODA-KU, TOKYO 101-0021, JAPAN.   (72) Name of the Inventors :  1. IKEDA NORIMASA,  2. IKEDA NOBUYOSHI.</p>
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(57) Abstract : An optical detection device for use in a color sorting apparatus for granular objects includes a CCD linear sensor (7). The CCD linear sensor (&) comprises a plurality of light receiving elements (7a) arranged in one row each of which is capable of detecting red, green and blue wavelengths. The CCD linear sensor (7) receives light from a granular object and a background (12) which are irradiated by a red light source (14), a green light source (15) and a blue light source (16). The red, green and blue light sources are switched over while the granular object is passing within an optical detection area (X). The CCD linear sensor receives light from the granular object in synchronization with the above switching operation of the light sources (14, 15, 16).

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 630/CAL/2002 A (22) Date of filing of : 11/11/2002 application
- (54) Title of the Invention : "ANTIBODIES TO CD40"

<p>(51) International classification : A61K 39/395, C07K 16/28</p> <p>(30) Priority Data :</p> <p>(31) Document No. 60/348,980</p> <p>(32) Date : 09/11/2001</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : PFIZER PRODUCTS INC., OF EASTERN POINT ROAD GROTON, CONNECTICUT 06340, U.S.A AND ABGENIX INC., OF 7601 DUMBARTON CIRCLE FREMONT, CALIFORNIA 94555, U.S.A.</p> <p>(72) Name of the Inventors :</p> <ol style="list-style-type: none"> <li>1. BEDJIAN VAHE,</li> <li>2. GLADUE RONALD P.,</li> <li>3. CORVALAN JOSE.</li> <li>4. JIA XIAO-CHI,</li> <li>5. FENG XIAO.</li> </ol>
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(57) Abstract : The present invention relates to antibodies and antigen-binding portions thereof that specifically bind to CD40, preferably human CD40, and that function as CD40 agonists. The invention also relates to human anti-CD40 antibodies and antigen-binding portions thereof. The invention also relates to antibodies that are chimeric, bispecific, derivatized, single chain antibodies or portions of fusion proteins. The invention also relates to isolated heavy and light chain immunoglobulins derived from human anti-CD40 antibodies and nucleic acid molecules encoding such immunoglobulins. The present invention also relates to methods of making human anti-CD40 antibodies, compositions comprising these antibodies and methods of using the antibodies and compositions for diagnosis and treatment. The invention also provides gene therapy methods using nucleic acid molecules encoding the heavy and/or light immunoglobulin molecules that comprise the human anti-CD40 antibodies. The invention also relates to transgenic animals comprising nucleic acid molecules of the present invention.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. 631/CAL/2002 A (22) Date of filing of : 12/11/2002 application
- (54) Title of the Invention : "SOLEPLATE OF DOMESTIC STEAM IRON."

<p>(51) International classification : D06F 75/06</p> <p>(30) Priority Data :</p> <p>(31) Document No. 200102578, 200202206</p> <p>(32) Date : 21/11/2001 &amp; 30/09/2002</p> <p>(33) Name of convention country : SPAIN</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : CELAYA EMPARANZA Y GALDOS, S.A. (CEGASA) OF ARTAPADURA, 11 ES-01013 VITORIA, ALAVA SPAIN.</p> <p>(72) Name of the Inventors : ALDAY LESAGA FRANCISCO JAVIER</p>
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(57) Abstract : Soleplate of domestic steam iron, basically constituted by an ironing element (1), which is that which comes into contact with the item to be ironed, and a heating element (2) which heats said ironing element (1) by means of a thermostatic element (3) which regulates the ironing temperature, which independently of the assembly of ironing element (1), heating element (2) and thermostatic element (3), the soleplate of domestic steam iron (1-2) according to the invention incorporates an autonomous steam assembly (4) which is composed of a steam chamber (5) which has a water supply conduit (6) connected to the reservoir of the domestic iron, and whose steam chamber (5) has a separate heating element (7) which has its own thermostat (8) which regulates the temperature in that steam chamber (5); the steam assembly (4) has a steam outlet (9) connected to a complementary steam intake (10) which exists in the ironing element (1) for the correct passage of steam to the outlet holes.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 632/CAL/2002 A

(22) Date of filing of : 13/11/2002  
application

(54) Title of the Invention : "STABILIZED TETRAZOLIUM REAGENT COMPOSITIONS AND METHODS FOR USING THE SAME."

(51) International classification : C12M 1/40

(30) Priority Data :

(31) Document No. 09/988,812

(32) Date : 20/11/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

(71) Name of the Applicant : LIFESCAN, INC., OF 1000 GIBRALTAR DRIVE, MS3D, MILPITAL, CALIFORNIA 95035, U.S.A.

(72) Name of the Inventors :

1. OUYANG, TIANMEI,

2. HUANG, PAING

(57) Abstract : Stabilized tetrazolium dye reagent compositions and methods for their use in the measurement of an analyte to a sample are provided. The subject reagent compositions include a tetrazolium dye component, e.g., a water soluble tetrazolium salt, and an effective amount of a nitrite stabilizing agent, e.g., a nitrite salt. In many embodiments, the subject reagent compositions include additional members of an analyte oxidizing signal producing system, such as; an analyte oxidizing enzyme, e.g., an analyte dehydrogenase or an analyte oxidase; an electron transfer agent; and an enzyme cofactor. Also provided are test strips that include the subject reagent compositions, as well as systems and kits incorporating the subject test strips. The subject reagent compositions, test strips, systems and kits find use in the detection of a wide variety of analytes in a sample, such as a physiological sample, e.g., blood or a fraction thereof, or ISF (interstitial fluid).

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 633/CAL/2002 A

(22) Date of filing of : 13/11/2002  
application

(54) Title of the Invention : "STABILIZED TETRAZOLIUM-PHENAZINE REAGENT COMPOSITIONS AND METHODS FOR USING THE SAME."

(51) International classification : C12M 1/40

(30) Priority Data :

(31) Document No. 09/988, 494

(32) Date : 20/11/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

(71) Name of the Applicant : LIFESCAN, INC., OF 1000 GIBRALTAR DRIVE, MS3D, MILPITAL, CALIFORNIA 95035, U.S.A.

(72) Name of the Inventors :

1. OUYANG, TIANMEI,

2. HUANG, PAING,

3. ZHENG, XIAOLING.

(57) Abstract : Stabilized tetrazolium dye-phenazine reagent compositions and methods for their use in the measurement of an analyte in a sample are provided. The subject reagent compositions include; (1) a tetrazolium dye component, e.g., a water soluble tetrazolium salt; (2) a phenazine component; and (3) an effective amount of one or more tetrazolium dye-phenazine stabilizing reagents, e.g., an inorganic Group IIIA compound and/or a flavin. In many embodiments, the subject reagent compositions include additional members of an analyte oxidizing signal producing system, such as; an analyte oxidizing enzyme, e.g., an analyte dehydrogenase or an analyte oxidase; and an enzyme cofactor. Also provided are test strips that include the subject reagent compositions, as well as systems and kits incorporating the subject test strips. The subject reagent compositions, test strips, systems and kits find use in the detection of a wide variety of analytes in a sample, such as a physiological sample, e.g., blood or a fraction thereof, or ISF (interstitial fluid).

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 634/CAL/2002 A

(22) Date of filing of : 15/11/2002  
application

(54) Title of the Invention : "DEVICE AT A SPINNING MILL PREPARATION MACHINE, IN PARTICULAR DRAWING FRAME OR CARD, IN WHICH AT EXIT A CARD SLIVER IS DELIVERED AND DEPOSITED."

<p>(51) International classification : D01H 9/18 (30) Priority Data : (31) Document No. 10205061.9 (32) Date : 07/02/2002 (33) Name of convention country : GERMANY (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed nu :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : TRUTZSCHLER GMBH &amp; CO. KG., OF DUVENASTR. 82-92 D-41199 MONCHENGLADBACH, GERMANY.  (72) Name of the Inventors : SCHLICHTER STEFAN</p>
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(57) Abstract : In a device at a spinning mill preparation machine, in particular, drawing frame or card in which at exit a card sliver is deposited through a depositing equipment and is deposited on a base wherein the depositing equipment and the base are relatively movable to each other, the card sliver (sliver pack) deposited on the base may be supplied to a post connected processing machine.

In order to make possible in a simple way the shifting of the deposited card sliver (sliver pack) out of the deposit area of the machine and an essential reduction of installation expenses, the deposited card sliver (sliver pack) is movable through mechanical means which causes the shifting out of card sliver (sliver pack) in the and/or out of the deposit area without additional container or the equivalent.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. 635/CAL/2002 A

(22) Date of filing of : 15/11/2002  
application

(54) Title of the Invention : "DEVICE AT A CARD, IN WHICH A MULTIPLE NUMBER OF WORKING ITEMS ARE ALLOCATED TO A ROLLER AS FOR EXAMPLE DRUM."

<p>(51) International classification : D01G 15/80, 15/82 (30) Priority Data : (31) Document No. 10207159.4 (32) Date : 20/02/2002 (33) Name of convention country : GERMANY (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : TRUTZSCHLER GMBH &amp; CO. KG., OF DUVENASTR. 82-92 D-41199 MONCHENGLADBACH, GERMANY.  (72) Name of the Inventors : 1. PFERDMENGE GERD, 2. PISCHEL ROBERT</p>
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(57) Abstract : In the device at a card, in which in the pre-and/or post carding area a multiple number of working items, as for example, fixed carding items, suction equipments, eliminating knife and the equivalent lying opposite to each other and – seen in the circumferential direction of the roller – adjacent to each other are assembled to a roller as for example drum a module is formed out of at least two working items.

In order to make possible a change or rather influencing of waste composition (eliminated foreign bodies) and/or the removal of neps, in the pre-and/or post carding zone at least two modules are present, which are provided for the elimination of foreign bodies (impurities) like trash and equivalent and/or for the elimination of neps.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01383 A

(22) Date of filing of : 11/11/2002  
application

(54) Title of the Invention : "AXIAL PISTON COMPRESSOR WITH AN AXEL SWASHPLATE ACTUATOR."

(51) International classification : F04B 1/26

(30) Priority Data :

(31) Document No. 09/804,013

(32) Date : 12/03/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

(64) Filed on : NA

(71) Name of the Applicant : HALDEX  
BRAKE CORPORATION, UNITED  
STATES OF AMERICA, 10930 NORTH  
POMONA AVENUE, KANSAS CITY, MO  
64153 A DELAWARE CORPORATION.

(72) Name of the Inventors :

1. KOELZER, ROBERT, L.,

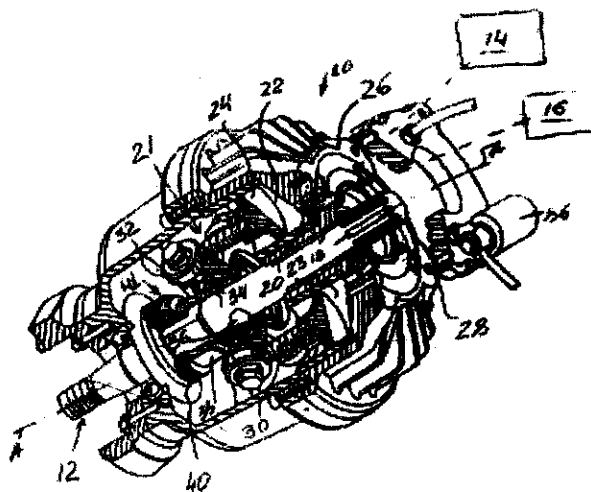
2. ADAMS, ANDREW, W.,

3. SCHAAKE, MARK, D.,

4. JENKINS, MICHAEL, R.

(57) Abstract :

An axial piston compressor produces air supplied to an air system of a vehicle, typically a heavy duty truck through a plurality of pistons (24) held within a stationary block (22), and the movement of the pistons (24) is predicated through the control of a pivotal swash plate (34). The pistons (24) are idle in a neutral position of the swash plate (34), wherein a pressure above the pistons (24) in the cylinder block counterbalances a thrust generated by an actuator (41) upon the swash plate (34) positioned in a plane extending perpendicular to a drive shaft (12). The swash plate (34) oscillates in response to a pressure drop above the pistons (24) causing the actuator (41) to expand toward the swash plate (34) and exert a thrust exceeding the lowered pressure above the pistons (24) and enabling the swash plate (34) to provide the pistons (24) with reciprocal motion.





Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01385 A

(22) Date of filing of : 11/11/2002  
application

(54) Title of the Invention : "SUBSTITUTED THIOACETAMIDES."

(51) International classification : C07C  
323/00, 317/44, C07D 333/13, 277/26, A61K  
31/165, 31/381, A61P 1/14, 9/10

(30) Priority Data :

(31) Document No. 60/204,789, 60/268,283,  
09/855,228

(32) Date : 16/05/2000, 13/02/2001,  
15/05/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

(71) Name of the Applicant : CEPHALON  
INC., 145 BRANDYWINE PARKWAY,  
WEST CHESTER, PA 19380, U.S.A.

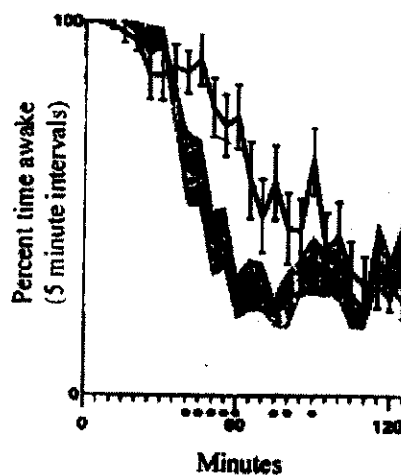
(72) Name of the Inventors :

1. BACON, EDWARD R.,
2. CHATTERJEE, SANKAR,
3. DUNN, DEREK,
4. MALLAMO, JOHN P.,
5. MILLELR, MATTHEW S.,
6. VAUGHT, JEFFREY L.

(57) Abstract :

The present application is directed to chemical compounds of formula (I-A) or formula (II-A) (in which the variables are as defined in the claims), compositions containing them and uses of the compositions for treating sleepiness, tiredness Parkinson's disease, cerebral ischaemia, stroke, sleep apneas, eating disorders, attention deficit hyperactivity disorder, cognitive dysfunction or fatigue, for the promotion of wakefulness, stimulation of appetite or weight gain or for the treatment of disorders associated with hypofunctionality of the cerebral cortex such as depression, schizophrenia and chronic fatigue syndrome.

Wakefulness in Rats Treated with Compound I-9



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01386 A

(22) Date of filing of : 11/11/2002 application

(54) Title of the Invention : "REACTIVE AZO DYES."

(51) International classification : C09B 62/453

(30) Priority Data :

(31) Document No. 0012551.8

(32) Date : 23/05/2000

(33) Name of convention country : GB

(66) Filed U/s 5(2) : NIL

(61) Patent of addition to application No. NA

(62) Filed on : NA

(63) Divisional to Application No. : NIL

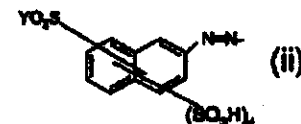
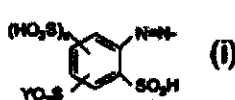
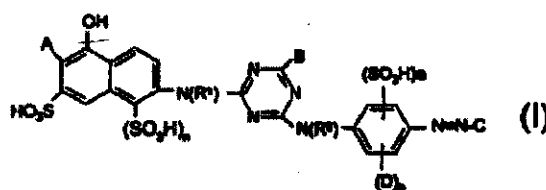
(64) Filed on : NA

(71) Name of the Applicant : DYSTAR TEXTILFARBEN GMBH & CO. DEUTSCHLAND KG., DSCHENHEIMER TOR 2, 60318 FRANKFURT AM MAIN, GERMANY.

(72) Name of the Inventors : EBEREZER WARREN JAMES

(57) Abstract :

The present invention relates to reactive azo dyes of the formula (I) or an alkali metal salt thereof, wherein A is formula (i) or (ii) C is an optionally substituted aromatic or heteroaromatic residue; and R<1>, R<2>, B, D, Y, a, b, c, d and n are defined as given in claim 1, a process for preparing said dyes and a process for colouring fibre material, which comprises applying thereto said dyes.



**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01387 A

(22) Date of filing of : 11/11/2002  
application

(54) Title of the Invention : "NOVEL LACCASE ENZYME AND THE GENE ENCODING THE ENZYME."

(51) International classification : C12N 9/02, D21C 9/00, A61K 7/13, C11D 3/386	(71) Name of the Applicant : VALTION TEKNIILLINEN TUTKIMUSKESKUS, OF VUORIMIEHENTIE 5, FIN-02044 VTT, FINLAND.
(30) Priority Data :	
(31) Document No. 20001240	
(32) Date : 23/05/2000	
(33) Name of convention country : FINLAND	(72) Name of the Inventors :
(66) Filed U/s 5(2) :NIL	1. KRUIUS KRISTIINA,
(61) Patent of addition to application No. NA	2. KIISKINEN LAURALEENA,
(62) Filed on :NA	3. RATTU MARJAANA,
(63) Divisional to Application No. :NIL	4. VIIKARI LIISA,
(64) Filed on :NA	5. SALOHEIMO MARKKU.

(57) Abstract : The invention relates to a new laccase enzyme, which can be isolated from the strains of the *Melanocarpus* genus, the *M. albomyces* strain in particular. The pH optimum of the enzyme is within 5-8 and the enzyme works at a temperature of 30-80 DEG C. The isoelectric point of the enzyme is about 4.0 as determined by isoelectric focusing and the molecular weight about 80 kDa, defined by SDS-PAGE. The enzyme is especially well suited to applications, wherein the pH and temperature conditions are high. The invention also relates to a gene that encodes laccase enzyme, and a laccase enzyme produced by recombinant technology.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01388 A

(22) Date of filing of : 11/11/2002  
application

(54) Title of the Invention : "SYSTEM AND METHOD FOR PROVIDING TELEPHONY SERVICES."

<p>(51) International classification : H04M 1/253, 1/247, 1/27 (30) Priority Data : (31) Document No. 09/572,346 (32) Date : 17/05/2000 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : INTEL CORPORATION, OF 2200 MISSION COLLEGE BOULEVARD, SANTA CLARA, CA 95052, U.S.A.  (72) Name of the Inventors : TAKAHASHI RICHARD</p>
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(57) Abstract :

digital signal processor provides a variety of telephony services for a processor-based system. A standard telephone or speakerphone may be coupled to the processor-based system. Further, both ADSL and analog modem functionality, for communication with other processor-based systems, such as on a network, may be available in some embodiments. Additional graphical user interfaces may be supplied for enhanced communication of telephony services. Single or dual-line connection to the telephone network may be supported. The simultaneous operation of modem and telephony functions may also be possible in some embodiments.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01389 A

(22) Date of filing of : 11/11/2002  
application

(54) Title of the Invention : "MEDICAMENT DISPENSER."

(51) International classification : A61M  
15/00, 5/00  
(30) Priority Data :  
(31) Document No. 0017301.3, 0020538.3  
(32) Date : 15/07/2000, 22/08/2000  
(33) Name of convention country : GB  
(66) Filed U/s 5(2) : NIL  
(61) Patent of addition to application No. NA  
(62) Filed on : NA  
(63) Divisional to Application No. : NIL  
(64) Filed on : NA

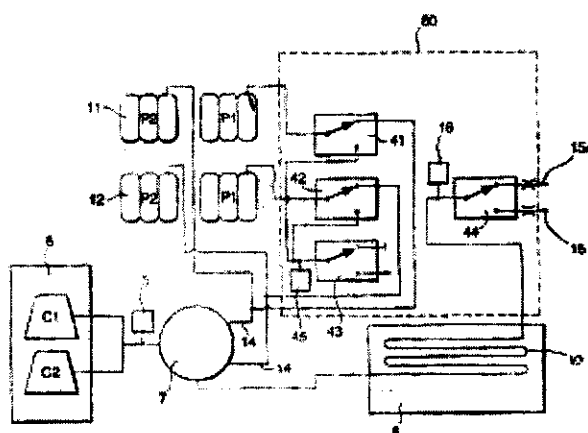
(71) Name of the Applicant : GLAXO  
GROUP LIMITED, OF GLAXO  
WELLCOME HOUSE, BERKELEY  
AVENUE, GREENFORD, MIDDLESEX,  
UB6 0NN, GREAT BRITAIN.

(72) Name of the Inventors :

1. BRAND PETER JOHN,
2. GODFREY JAMES WILLIAM,
3. RAND PAUL KENNETH.

(57) Abstract :

pressure pad (1) has two sets of cells (11, 12) with a sensor pad (8) positioned under the pad (1). During inflation, part of the flow goes to the sensor pad (8) to exhaust and the rest fills the cells (11 or 12). Any change in patient position/weight causing a change in airflow in tube (10) will alter the differential pressure measured at the pressure transducer (16). Based on this feedback the microprocessor directly controls the power level to the pump (6) thus adjusting the airflow to the cells to prevent bottoming or to rung at a minimum pressure. The pressure pad (1) is segmented into a heel section, upper leg section, torso section, and a head section. The heel, head and upper leg sections are maintained at a lower pressure P1 and the torso section at a higher pressure P2. A control module (50) to control the flow in the segments is provided inside the pressure pad (1). The pressure pad (1) can be an alternating or static pad.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01390 A

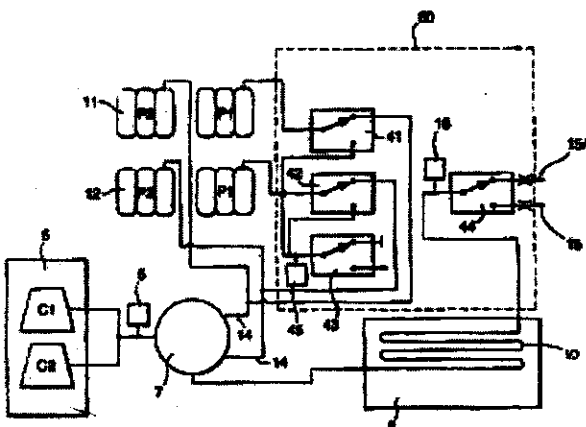
(22) Date of filing of : 12/11/2002  
application

(54) Title of the Invention : "INFLATABLE SUPPORT."

<p>(51) International classification : A61G 7/057, A47C 27/10</p> <p>(30) Priority Data :</p> <p>(31) Document No. 0106340.3, 0202235.8</p> <p>(32) Date : 15/03/2001, 30/01/2002</p> <p>(33) Name of convention country : GB</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : HUNTLEIGH TECHNOLOGY PLC., OF 310-312, DALLOW ROAD, LUTON, BEDFORDSHIRE, LU1 1TD, UNITED KINGDOM.</p> <p>(72) Name of the Inventors :</p> <p>1. CHAPMAN, PAUL, WILLIAM,</p> <p>2. HARBIGE, JANE,</p> <p>3. KEMP, DANIEL,</p> <p>4. SMITH, ANTHONY, GEORGE.</p>
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(57) Abstract :

pressure pad (1) has two sets of cells (11, 12) with a sensor pad (8) positioned under the pad (1). During inflation, part of the flow goes to the sensor pad (8) to exhaust and the rest fills the cells (11 or 12). Any change in patient position/weight causing a change in airflow in tube (10) will alter the differential pressure measured at the pressure transducer (16). Based on this feedback the microprocessor directly controls the power level to the pump (6) thus adjusting the airflow to the cells to prevent bottoming or to rung at a minimum pressure. The pressure pad (1) is segmented into a heel section, upper leg section, torso section, and a head section. The heel, head and upper leg sections are maintained at a lower pressure P1 and the torso section at a higher pressure P2. A control module (50) to control the flow in the segments is provided inside the pressure pad (1). The pressure pad (1) can be an alternating or static pad.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01391 A (22) Date of filing of : 12/11/2002 application

(54) Title of the Invention : "SQUEEZABLE CONTAINERS FOR FLOWABLE PRODUCTS HAVING IMPROVED BARRIER AND MECHANICAL PROPERTIES."

<p>(51) International classification : B32B 27/28, 27/30, B65D 35/08, 65/40</p> <p>(30) Priority Data :</p> <p>(31) Document No. 09/570,086</p> <p>(32) Date : 12/05/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : PECHINEY EMBALLAGE FLEXIBLE EUROPE, OF 1, RUE DE L'UNION F-92843 RUEIL MALMAISON, FRANCE.</p> <p>(72) Name of the Inventors :</p> <p>1. MUELLER, CHAD,</p> <p>2. LEE, THOMAS,</p> <p>3. JUPIN, ALAIN.</p>
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(57) Abstract : The present invention relates to squeezable containers for flow able products having improved barrier and/or mechanical properties and methods for making said squeezable containers. These improvements are achieved by incorporating into the squeezable containers a polymeric nanocomposite comprising a polymer and nanosize particles of a modified clay.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01393 A (22) Date of filing of : 12/11/2002 application

(54) Title of the Invention : "HIGH PURITY X-CHROMOSOME BEARING AND Y-CHROMOSOME BEARING POPULATIONS OF SPERMATOOZOA."

<p>(51) International classification : C12N</p> <p>(30) Priority Data :</p> <p>(31) Document No. 60/203,089, 60/239,752, 60/267,571</p> <p>(32) Date : 09/05/2000, 12/10/2000, 10/02/2001</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : XY, INC., OF 1108 NORTH LEMAY AVENUE, FORT COLLINS, CO 80524, U.S.A.</p> <p>(72) Name of the Inventors :</p> <p>1. EVANS KENNETH M.,</p> <p>2. VAN MUNSTER ERIK B.</p>
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**(57) Abstract :**

Isolated non-naturally occurring populations of spermatozoa (15) having high purity and technologies to differentiate spermatozoa (28) based on characteristics such as mass, volume, orientation, or emitted light including methods of analysis and apparatus such as beam shaping optics (30) and detectors (32).

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01394 A

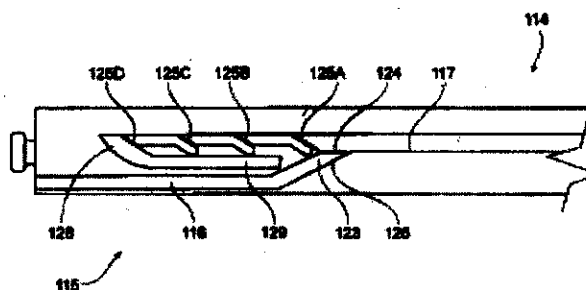
(22) Date of filing of : 12/11/2002  
application

(54) Title of the Invention : "SINGLE USE SYRINGE."

<p>(51) International classification : A61M 5/315, 5/50</p> <p>(30) Priority Data :</p> <p>(31) Document No. PQ 7096, PR 2591</p> <p>(32) Date : 26/04/2000, 18/01/2001</p> <p>(33) Name of convention country : AUSTRALIA</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : UNITRACT PTY LTD., OF 945 WELLINGTON STREET, WEST PERTH, WESTERN AUSTRALIA 6005, AUSTRALIA.</p> <p>(72) Name of the Inventors : 1. THORLEY CRAIG STEPHEN, 2. KAAL JOSEPH HERMES.</p>
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(57) Abstract :

A single use retractable syringe and plunger are provided. The syringe has a barrel having a collar with one or two projections that slidably engage a plurality of interconnected slots of the plunger. The slots of the syringe include one or more gates or abutments that restrict slidable movement of the projections within the slots to thereby prevent re-use of the syringe after injection and subsequent retraction of the needle.





Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. IN/PCT/2002/01396 A                      (22) Date of filing of : 12/11/2002  
application  
(54) Title of the Invention : "MULTIFUNCTIONAL NANODEVICE PLATFORM."

(51) International classification : A61K 47/48 (30) Priority Data : (31) Document No. 09/570,198 (32) Date : 12/05/2000 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA	(71) Name of the Applicant : THE REGENTS OF THE UNIVERSITY OF MICHIGAN, UNITED STATES OF AMERICA, 3003 SOUTH STATE STREET, ANN ARBOR, MI 48109, U S COMPANY.  (72) Name of the Inventors : 1. BAKER, JAMES, R., JR., 2. TOMALLA, DONALD, A.
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(57) Abstract : The present invention relates to novel therapeutic and diagnostic arrays. More particularly, the present invention is directed to dendrimer based multifunctional compositions and systems for use in disease diagnosis and therapy (e.g., cancer diagnosis and therapy). The compositions and systems generally comprise two or more separate components for targeting, imaging, sensing, and/or triggering release of a therapeutic or diagnostic material and monitoring the response to therapy of a cell or tissue (e.g., a tumor).

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01397 A

(22) Date of filing of : 12/11/2002  
application

(54) Title of the Invention : "MULTI-LAYER, MULTI-FUNCTIONING PRINTED CIRCUIT BOARD."

(51) International classification : H01F 27/28, 27/29 (30) Priority Data : (31) Document No. 60/205,852, 09/735,108 (32) Date : 19/05/2000, 11/12/2000 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA	(71) Name of the Applicant : PULSE ENGINEERING, INC. OF 12230 WORLD TRADE DRIVE, SAN DIEGO CA 92128 U.S.A.  (72) Name of the Inventors : DADAFSHAR, MAJID
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(57) Abstract :

multi-layer and multi-functioning printed circuit board (PCB) defines a magnetic component formed using planar technology and multiple PCBs (525, 530 and 535), each having four or six layers and each including a single winding. One set of windings (540) is configured as an inductor and a second set of windings (526, 527) and (536) is configured as a transformer. The PCBs are stacked in an offset arrangement such that pins (501-507) connecting one set of windings on a PCB or PCBs to a main circuit board do not penetrate the PCB or PCBs including another set of windings. The invention is configured to function both as an inductor and a transformer.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01398 A

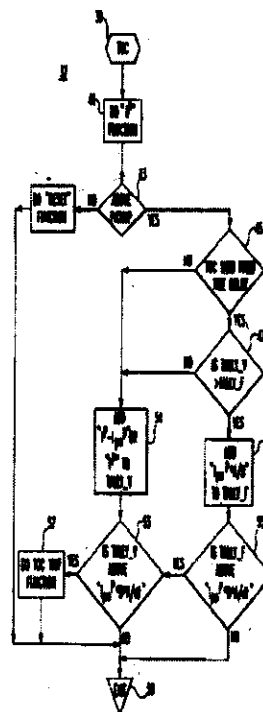
(22) Date of filing of : 12/11/2002  
application

(54) Title of the Invention : "ELECTRONIC PROTECTIVE RELAY WITH VARIABLE AND FIXED DELAY TALLY TIME OF CURRENT PROTECTION."

<p>(51) International classification : H02H 7/30, 3/093</p> <p>(30) Priority Data :</p> <p>(31) Document No. 09/592,305</p> <p>(32) Date : 13/06/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s 5(2) :NIL</p> <p>(61) Patent of addition to application No. NA</p> <p>(62) Filed on :NA</p> <p>(63) Divisional to Application No. :NIL</p> <p>(64) Filed on :NA</p>	<p>(71) Name of the Applicant : EATON CORPORATION, EATON CENTER, 1111 SUPERIOR AVENUE, CLEVELAND, OH 44114, U.S.A.</p> <p>(72) Name of the Inventors : ELMS ROBERT TRACEY</p>
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**(57) Abstract :**

An electronic protective relay (1) emulates an electromechanical protective relay so that operation of the two types of relays can be coordinated in providing protection in an electric power distribution system (3). The electronic protective relay (1) incorporates a digital processor (15) which increments a variable delay tally as an inverse current function and a fixed delay tally by a corresponding proportionate amount. During each running of the routine, only the smaller of the two tallies is increased so that they are forced to track one another. When both tallies reach a trip value, a trip signal is generated. The processor (15) also applied a reset function when the measured current is below a pickup value. In accordance with the preferred reset feature, the variable delay tally is reduced using an inverse current function and the fixed delay is reduced by the same amount.



Publication After 18 months.

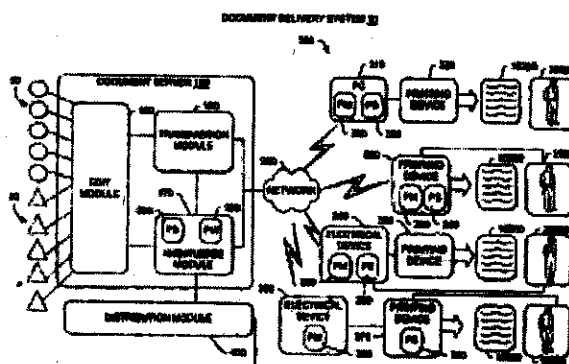
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. IN/PCT/2002/01399 A (22) Date of filing of : 13/11/2002 application
- (54) Title of the Invention : "A SYSTEM AND RELATED METHODS FOR DYNAMICALLY SELECTING PUBLICATION CONTENT."

<p>(51) International classification : G06F 17/00  (30) Priority Data :  (31) Document No. 09/598,678  (32) Date : 07/06/2000  (33) Name of convention country : U.S.A.  (66) Filed U/s 5(2) : NIL  (61) Patent of addition to application No. NA  (62) Filed on : NA  (63) Divisional to Application No. : NIL  (64) Filed on : NA</p>	<p>(71) Name of the Applicant : HEWLETT PACKARD COMPANY, OF 3000 HANOVER STREET, PALO ALTO, CA 94304 1112, U.S.A.  (72) Name of the Inventors : BRONSTEIN KENNETH H.</p>
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**(57) Abstract :**

A method is presented comprising receiving a plurality of content objects, determining that one or more of the articles address the same or similar material, and automatically reducing the occurrences of overlapping and/or duplicate content objects in accordance with user preferences.



**Publication After 18 months.**

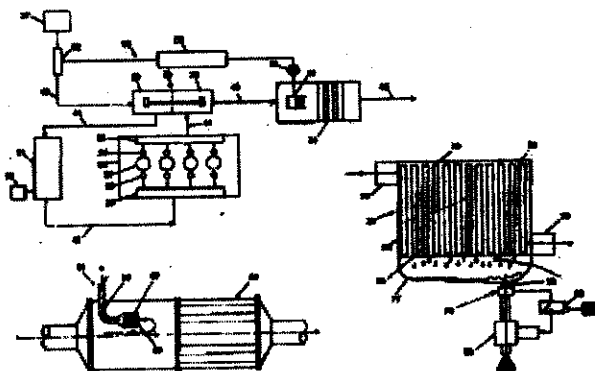
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. IN/PCT/2002/01400 A (22) Date of filing of : 14/11/2002  
application  
(54) Title of the Invention : "LOW PRESSURE EGR SYSTEM FOR DIESEL ENGINES."

<p>(51) International classification : F02M 25/07, 29/04 (30) Priority Data : (31) Document No. 09/580,534 (32) Date : 26/05/2000 (33) Name of convention country : U.S.A. (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : ENGELHARD CORPORATION, OF 101 WOOD AVENUE, P.O.BOX 770, ISELIN, NJ 08830-0770, U.S.A.  (72) Name of the Inventors : 1. GOREL, ALEXANDER, 2. CALABRESE, JOHN, LAWRENCE.</p>
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**(57) Abstract :**

A low pressure EGR system suitable for use as a passive retrofit system is disclosed for moving vehicles equipped with a diesel engine. The EGR loop inlet (51) is positioned upstream of the exhaust particulate filter (34) and downstream of the turbine (29) to utilize backpressure created by the exhaust particulate filter to insure EGR flow in the loop. A catalyzed soot filter in communication with the EGR pickup (51) insures cleansed EGR gases at the EGR return downstream of the air filter (27) and upstream of the compressor (28). A corrugated EGR line (50) provides cooling of the EGR gases.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01401 A

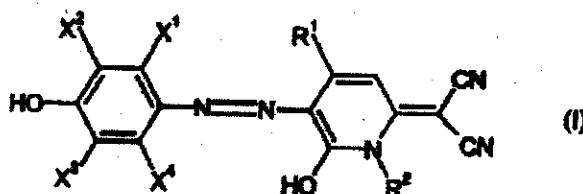
(22) Date of filing of : 14/11/2002  
application

(54) Title of the Invention : "HYDROXYPYRIDONE METHIDE AZO DYES."

<p>(51) International classification : C07D 213/90, C09B 29/00 (30) Priority Data : (31) Document No. 100 28 686.0 (32) Date : 09/06/2000 (33) Name of convention country : DE (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : DYSTAR TEXTILFARBEN GMBH &amp; CO. DEUTSCHLAND KG., GERMANY, ESCHENHEIMER TOR 2, 60318 FRANKFURT AM MAIN, A GERMAN COMPANY.  (72) Name of the Inventors : HAMPRECHT, RAINER</p>
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**(57) Abstract :**

The invention relates to hydroxypyridone methide azo dyes corresponding to the formula (I) and to their tautomer forms. In said formula, the substituents X<1> to X<4>, R<1> and R<2> are defined as per the description. Said dyes are particularly suitable for dyeing and printing hydrophobic, synthetic-fibre materials, or mixtures thereof and natural-fibre materials.



Publication After 18 months.

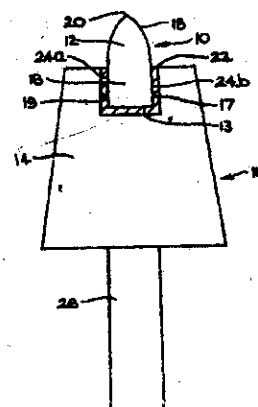
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No. IN/PCT/2002/01402 A (22) Date of filing of : 14/11/2002 application  
(54) Title of the Invention : "CUTTING TOOL AND METHOD OF USING SAME."

<p>(51) International classification : E21B 10/46, E21C 25/18, 35/183 (30) Priority Data : (31) Document No. PQ7588, PQ7589, PQ7590 (32) Date : 18/05/2000 (33) Name of convention country : AUSTRALIA (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, OF LIMESTONE AVENUE, CAMPBELL, AUSTRALIAN CAPITAL TERRITORY 2612, AUSTRALIA.  (72) Name of the Inventors : 1. BOLAND JAMES NORMAN, 2. BUNKER KIT, 3. WILLIS PAUL EDWIN.</p>
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(57) Abstract :

A cutting tool for cutting hard rock, said cutting tool including one or more cutting elements (10) each comprising a pointed or chisel-shaped body (12) including a diamond composite material including diamond crystals bonded together by a silicon carbide matrix, the each cutting element being mounted into a supporting matrix comprising a metal matrix composite material, such that the point or chisel edge of the each element protrudes from said matrix.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01405 A (22) Date of filing of : 14/11/2002  
application

(54) Title of the Invention : "METHOD AND SYSTEM FOR EFFICIENTLY REDUCING GRAPHICAL DISPLAY DATA FOR TRANSMISSION OVER A LOW BANDWIDTH TRANSPORT PROTOCOL MECHANISM."

(51) International classification : G05B	(71) Name of the Applicant : CITRIX
(30) Priority Data :	SYSTEMS, INC., OF 851 W. CYPRESS
(31) Document No. 60/207,532, 60/225,217	CREEK ROAD, FORT LAUDERDALE, FL
(32) Date : 25/05/2000, 14/08/2000	33309, U.S.A.
(33) Name of convention country : U.S.A.	
(66) Filed U/s 5(2) :NIL	(72) Name of the Inventors :
(61) Patent of addition to application No. NA	1. COLEMAN PAUL,
(62) Filed on :NA	2. YANG RUIGUO,
(63) Divisional to Application No. :NIL	3. COLLINS HENRY.
(64) Filed on :NA	

(57) Abstract : The present invention improves the performance of distributed systems by reducing the amount of graphical data transmitted between an application server and a thin client. The encoding technique used for graphical data is adapted in response to the repetitiveness of the graphical data during a particular client-server session. Indexes are maintained that are indicative of this repetitiveness and which identify a particular location in the client's cache memory storing the graphical data. Where the index is not found, but a fuzzy key indicates a strong likelihood that the graphical object is located at the client, the client's persistent storage memory is searched for a file name corresponding to the fuzzy key and which stores the graphical object therein. The invention also adapts the processing rate or encoding technique of the server in response to network changes or performance mismatches between the client and server.



**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01407 A

(22) Date of filing of : 15/11/2002  
application

(54) Title of the Invention : "PROCESSING CHAMBER."

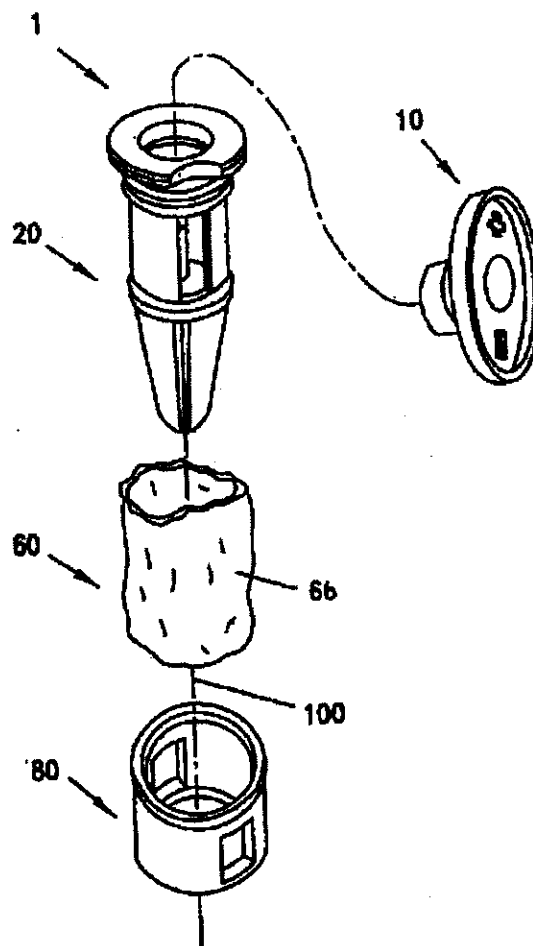
(51) International classification : G01N 27/00  
(30) Priority Data :  
(31) Document No. 136370  
(32) Date : 25/05/2000  
(33) Name of convention country : ISRAEL  
(66) Filed U/s 5(2) : NIL  
(61) Patent of addition to application No. NA  
(62) Filed on : NA  
(63) Divisional to Application No. : NIL  
(64) Filed on : NA

(71) Name of the Applicant : GENE BIO-APPLICATION LTD., OF P. O. BOX 206, 76875 KAFAR HANAGID, ISRAEL.

(72) Name of the Inventors :  
1. BEN-ASOULI YITZHAK,  
2. OSMAN FARHAT

**(57) Abstract :**

A device having a processing chamber, particularly for electroelution and/or dialysis of a substance carried in a sample with respect to an external liquid medium. The chamber is closed at one end and has an opening at the other longitudinal end sufficiently large to permit a sample, and in particular a gel contained sample, to be inserted therinto. The chamber has a pair of portals laterally disposed with respect to the opening. The portals are covered with a typically tubular membrane, which is sealingly fixed onto an outside surface of the housing defining the chamber, typically by means of a tubular sleeve having portals that align with the portals of the chamber, via an annular sealing arrangement. The device provides high yield recovery, saves time, and allows for relatively easy handling specially regarding loading and unloading of small volume of samples to be dialyzed or inserting the slice of gel containing the macromolecule sample. The device may be used in an open manner by partially immersing the same in the liquid medium with the opening above the liquid surface. Optionally, the device may be closed and hermetically sealed if so desired by means of a cap, and thus immersed in a liquid medium.



Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01463A

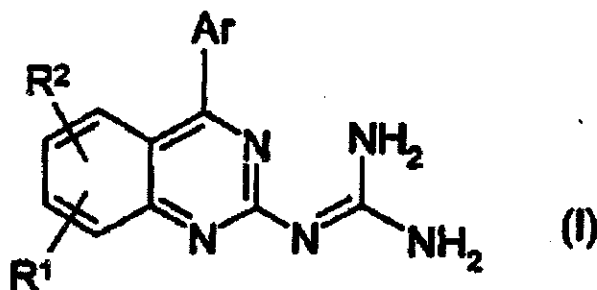
(22) Date of filing of : 15/11/2002  
application

(54) Title of the Invention : "2-GUANIDINO-4-ARYLQUINAZOLINES AS NHE-3 INHIBITORS."

<p>(51) International classification : C07D 239/84, A61K 31/517, A61P 9/10 (30) Priority Data : (31) Document No. 100 19 962.6 (32) Date : 18/04/2000 (33) Name of convention country : DE (66) Filed U/s 5(2) :NIL (61) Patent of addition to application No. NA (62) Filed on :NA (63) Divisional to Application No. :NIL (64) Filed on :NA</p>	<p>(71) Name of the Applicant : MERCK PATENT GMBH, GERMANY, FRANKFURTER STRASSE 250, 64293 DARMSTADT, A GERMANY COMPANY.  (72) Name of the Inventors : 1. GERICKE, ROLF, 2. BEIER, NORBERT, 3. WILM, CLAUDIA</p>
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**(57) Abstract :**

The invention relates to compounds of formula (I), where Ar = unsubstituted, or monosubstituted by R<3>, phenyl, or naphthyl; R<1>, R<2> = independently, A, OA, Hal or CF<sub>3</sub>; R<3> = A, OA, Hal, or CF<sub>3</sub>; A = 1-6C alkyl and Hal = F, Cl, Br or I and the salts and solvates thereof as NHE3 inhibitors.



**Publication After 18 months.**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No. IN/PCT/2002/01409A (22) Date of filing of : 15/11/2002  
application

(54) Title of the Invention : "METHOD FOR CONTINUOUS PRODUCTION OF DECORATIVE FACING SLABS AND A DEVICE FOR CARRYING OUT SAID METHOD, DECORATIVE FACING MATERIAL."

(51) International classification : C03B 19/09

(30) Priority Data :

(31) Document No. 2000111685, 2000127343

(32) Date : 15/05/2000, 01/11/2000

(33) Name of convention country : RU

(66) Filed U/s 5(2) :NIL

(61) Patent of addition to application No. NA

(62) Filed on :NA

(63) Divisional to Application No. :NIL

(64) Filed on :NA

(71) Name of the Applicant : 1. REZNIK VALENTIN JURICVICH, RUSSIA, 109388, MOSCOW, SHOSSEINAYA UL., D. 46, KORP. 1. KV. 43, 2. AKHAPKIN KONSTANTIN VIKTOROVICH, RUSSIA, 129224, MOSCOW, UL. GREKOVA, D. 8, KV. 26; 3. GRISCHENKO SERGEI EVGENIEVICH, RUSSIA, 119501, MOSCOW, UL. VEERNAYA, D. 40, KV. 101; 4. MELESHKO VIKTOR MIKHAILOVICH, RUSSIA, 123310 MOSCOW, PYATHITSKOE SHOSSE, D. 6, KORP. 3. KV. 100; 5. SHITUEVA IRINA VLADIMIROVNA, RUSSIA 113648, MOSCOW, UL. SEVERNOE CHERTANOVO, D. 4. KORP. 406, KV. 819; ALL ARE CITIZENS OF RUSSIA.

(72) Name of the Inventors :

1. REZNIK VALENTIN JURICVICH,  
2. AKHAPKIN KONSTANTIN VIKTOROVICH,  
3. GRISCHENKO SERGEI EVGENIEVICH,  
4. MELESHKO VIKTOR MIKHAILOVICH,  
5. SHITUEVA IRINA VLADIMIROVNA.

(57) Abstract :

The invention relates to the production of decorative facing materials using a glass-pelletizer and refractory filler. The inventive method for a continuous production of decorative facing slabs consists in loading of basic materials into casting-moulds which are placed on an open heat-insulated palette, and in thermal treatment in a furnace at a temperature ranging from 900°C to 950°C. After the thermal treatment, the palette with the moulds is taken out and conditioned at an ambient temperature during 80-90 sec accompanied by cooling the surface of the slabs to a temperature ranging from 600°C to 634°C. Afterwards, the slabs are placed in a heat-insulated closed space having a thermal resistance of walls which makes it possible to cool the surface of the slab to a temperature ranging from 100°C to 140°C with an average cooling rate ranging from 0.016 to 0.020 degrees/sec.

## ALTERATION OF DATE UNDER SECTION—16

- 192678 (985/MAS/99) ANTE-DATED TO 07-12-1994.  
192743 (58/DEL/2002) ANTE-DATED TO 12-02-1998.  
192744 (183/DEL/2002) ANTE-DATED TO 03-03-1999.  
192745 (201/DEL/2002) ANTE-DATED TO 06-12-1993.  
192788 (699/CAL/2000) ANTE-DATED TO 22-02-1996.  
192789 (698/CAL/2000) ANTE-DATED TO 22-02-1996.  
192790 (697/CAL/2000) ANTE-DATED TO 22-02-1996.

## अभिगृहित पूर्ण विनिर्देश

एतद्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथा संशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate alongwith the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Ind. Cl.

146 E

192651

Int Cl.<sup>4</sup>

G 01 K - 007/06

H 01 L - 35/04

"TEMPERATURE SENSOR ELEMENT IN  
TEMPERATURE-MEASURING DEVICE"

APPLICANT(S):

KAWASO ELECTRIC INDUSTRIAL CO. LTD.,  
A JAPANESE CORPORATION  
OF NO.1-7-10, NISHIHONMACHI,  
NISHI-KU, OSAKA-SHI,  
JAPAN.

INVENTOR(S):

1. ISHINE YAMAGUCHI;  
2. TOSHIYUKI KITAURA;  
3. HIDEKAZU IKEMOTO.

Application No.

1032/MAS/95

filed on 14-Aug-95

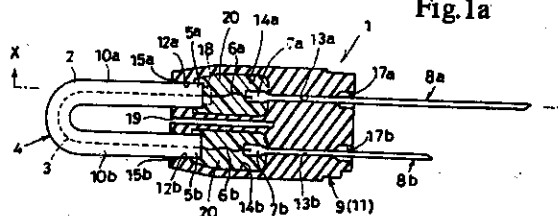
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003) | PATENT OFFICE, CHENNAI BRANCH.

## 7 CLAIMS

A temperature sensor element in a temperature-measuring device comprising; temperature-measuring means having a heat-resistant protective tube (2, 2a) having a thermocouple (3) inserted therein; at least one compensating conduction means (8a, 8b) having connecting section (7a, 7b) which connect a pair of extension sections (6a, 6b) of said thermocouple extending from the protective tube (2, 2a); and support means (9) to join and hold both said temperature-measuring means and said compensating conduction means; wherein; said support means (9) is formed with a block body (11) having at least one support hole means (12, 12a, 12b) at an end thereof through which said protective tube (2, 2a) is inserted, at least one insertion hole means (13a, 13b) at the other end thereof through which said compensating conduction means (8a, 8b) are inserted, and at least one holding chamber means (14a, 14b) formed therein which communicates the support hole means and the insertion hole means with each other, said holding chamber means (14a, 14b) being formed in a concave shape with a bottom face formed by depressing a side of the block body (11), and having stopper means (18, 34) in the holding chamber means in the vicinity of the support hole means (12, 12a, 12b), and the end (5, 5a, 5b) of the protective tube which is inserted into the support hole means (12, 12a, 12b) projects into the holding chamber means and abuts said stopper means (18, 34), said connecting sections (7a, 7b) of the compensating conduction means which are respectively inserted into the insertion hole means (13a, 13b) project into said holding chamber means, and a filler (20) is introduced into and hardened in said holding chamber means (14a, 14b) under a condition that the extension sections (6a, 6b) of the thermocouple are respectively connected with the connecting sections (7a, 7b) within the holding chamber means (14a, 14b) to bury and fix the end (5, 5a, 5b) of the protective tube, the extension sections (6a, 6b) of the thermocouple, and the connecting sections (7a, 7b) of the compensating conduction means in said filler.

Fig. 1a

COMP.SPECN: 30 PAGES DRAWING: 8 SHEETS.



Ind.Cl.:63 A

192652

Int.Cl<sup>4</sup>:H02K 1/16

"STATOR OF MAGNET-TYPE  
ROTATIONAL ELECTRICAL MACHINE AND  
PRODUCTION METHOD THEREOF"

Applicant: MITSUBISHI DENKI KABUSHIKI KAISHA  
2-3 MARUNOUCHI 2-CHOME  
CHIYODA-KU TOKYO100  
JAPAN.  
A Company organized and existing under the laws of Japan.

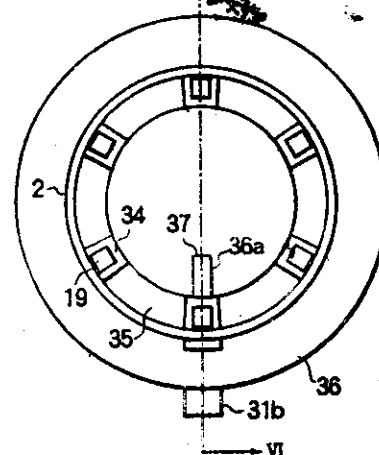
Inventors: 1. YOSHIHIRO MORIMOTO  
2. KEIICHI KONISHI.

Application No1102/MAS/95 filed on 28-AUG-95

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

4Claims

A stator of a magnet-type rotational electrical machine that has main poles formed of permanent magnetic material, and auxiliary magnetic poles formed of soft steel material, which are adjacent to each other in the circumference direction and are fixed on an inner circumference of a cylindrical yoke, characterized in that said auxiliary magnetic poles are fixed to said yoke by welding projections provided on connection surfaces of said auxiliary magnetic poles.



Comp.Specn.9 Pages; Drgs 4 Sheets.

Ind.Cl.:127A,I.

192653

Int.Cl<sup>4</sup>:F16D41/00.

"ONE WAY CLUTCH".

Applicant: MITSUBISHI DENKI KABUSHIKI KAISHA  
OF 2-3 MARUNOUCHI 2-CHOME  
CHIYODA-KU TOKYO100  
A Company organized and existing under the laws of Japan.  
JAPAN.

Inventors: 1. KEISAKU ZENMEI;  
2. SHUZO ISOZUMI.

Application No966/MAS/95. filed on 28-Jul-95

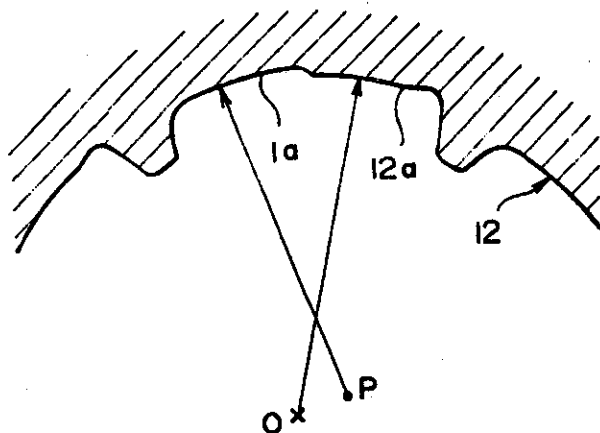
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules,- 2003)  
Patent Office, Chennai Branch.

### 3. Claims

A one way clutch, comprising a cylindrical, outer driving member (12) having a plurality of taper-shaped cutouts (1a) and arc-shaped support surfaces (12a) serving as machining chuck reference surfaces each defined on the inner periphery of said driving member; a driven member (2) disposed to form wedge-shaped spaces between said driven member and the inner periphery of said driving member; and a plurality of rollers movably and individually disposed in said wedge-shaped spaces, wherein power is transmitted only in one rotational direction from said driving member to said driven member through said rollers, and said support surfaces define segments of a circle whose center coincides with the axial center of said driving member such that arc-shaped distal ends (20a) of machining chucks(20) matingly and grippingly engage said circle segments, and said cutouts and support surfaces are integrally formed.

Reference to : JP 63-32.422

Comp.Specn. 8. Pages; Drgs 5. Sheets.





Ind.Cl.: 65 B 3 192654

Int Cl<sup>4</sup> : H 02 H 003/00  
H 01 F 38/00**"A TRIP DEVICE COMPRISING AT LEAST ONE CURRENT TRANSFORMER"**APPLICANT(S): SCHNEIDER ELECTRIC SA  
40, AVENUE ANDRE MORIZET  
F 92100 BOULOGNE BILLANCOURT  
FRANCE - FRENCH NATIONALITY

INVENTOR(S): 1. PASCAL HOUBRE

Application No. 1205 MAS 95 filed on 15-Sep-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

## 11 CLAIMS

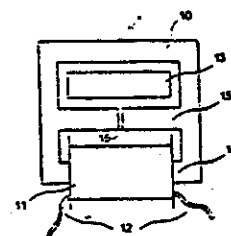
A trip device comprising:

at least one current transformer (4a, 4b, 4c), associated to a conductor (13) of a circuit (1) to be protected in which a primary current ( $I_p$ ) is flowing, comprising a main magnetic circuit (10) surrounding the conductor of the circuit to be protected, and at least one secondary winding (11, 12), a part (14) of the main magnetic circuit forming the core of the secondary winding (11), and

a processing unit (25) connected to said current transformer secondary winding.

a device characterized in that the transformer comprises a magnetic shunt (15) branch connected on the part (14) of the main magnetic circuit constituting the core of the secondary winding, the magnetic shunt (15) comprising a total or partial air-gap (16) locally reducing the cross-section of said shunt.

COMP. SPECN.: 13 PAGES DRAWINGS: 7 SHEETS.



Ind.CL:130F XXXIII(7).

192655

Int.Cl:B29C 45/22.

**"AN INJECTION MOLDING NOZZLE".**

Applicant: JOBST ULRICH GELLERT  
A CANADIAN CITIZEN  
7A PRINCE STREET, GEORGETOWN,  
ONTARIO, CANADA L7G 2X1.  
CANADA.

Inventors: 1. JOBST ULRICH GELLERT.

Application No1302/MAS/95. filed on 10-Oct-95.

Convention No. 2,137,702. on7-Dec-94., CANADA.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

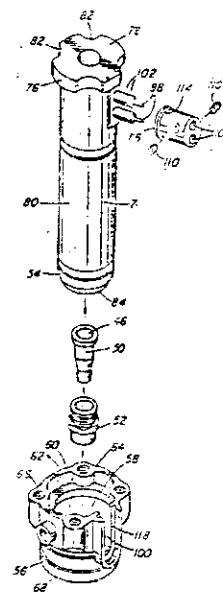
**4. Claims**

An injection molding nozzle to be seated in a mold, the nozzle having a melt channel extending therethrough to convey melt frontwardly toward at least one gate extending through the mold to a cavity, the nozzle having an outer collar and an elongated central body with a rear end, the outer collar extending around the central body adjacent the rear end thereof and having a frontwardly extending flange portion to be received in a seat in the mold to locate the nozzle, characterised in that,

the elongated central body and the outer collar are separable, the outer collar is one-piece with a central hole therethrough and a rearward facing seat extending at least partially around the central hole, the central body having a central shaft portion with a rear flange portion extending outwardly therefrom adjacent the rear end of the central body, whereby the central body is removably seated in the outer collar with the central shaft portion extending through the central hole in the outer collar and the rear flange portion sitting against the seat in the central hole in the outer collar.

Reference to : US 4,403,405; CANADA 2,127,211.

Comp.Specn. 12. Pages; Drgs 2. Sheets.



192656

G 05 B 19/418

## "A DISTRIBUTED CONTROL SYSTEM"

FISHER - ROSEMOUNT SYSEMS, INC.,  
A DELAWARE CORPORATION  
8301, CAMERON ROAD  
AUSTIN, TEXAS 78754  
USA.

1. GARY TAPPERSON  
2. THOMAS ANDREW BOYD

filed on 20-Oct-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.  
14 CLAIMS

A distributed control system comprising; a control room (60, 86) for providing primary control of the distributed control system; a plurality of network based field devices (66-72), with each network based field device having a primary control network port; a control network (74,84,94) coupled to each primary control network port of each network - based field device (66-72) of the plurality of network-based field devices; a controller (62,88) coupled to the control room (60, 86), for controlling and providing primary access to primary functions of the plurality of network based field devices (66-72); network/controller connection means (92, 134, 136) for connecting the control network (74, 84, 94) to the controller (62,88); the plurality of network-based field devices characterized by secondary access means (114-120) for providing non-redundant wireless secondary access to secondary functions of the plurality of network-based field devices (66-72), and a wireless terminal (104) or handheld unit (110) for implementing wireless access to secondary functions of each of the plurality of network-based field devices (66-72).

FISHER ROSEMOUNT SYSTEMS, INC.  
1361/MAL/88

SHEETS 4  
SHEET No. 2

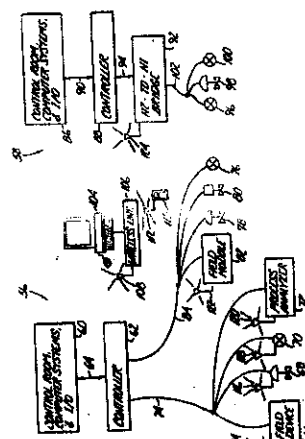


Fig. 2A

(A V O MENON)  
of DATTENING & DATTENING  
AGENT FOR THE APPLICANT

COMP. SPECN.: 24 PAGES DRAWINGS: 4 SHEETS.

Ind.Cl.:107F.

192657

Int.Cl<sup>4</sup>:FO2P 3/00.**"AN IGNITION SYSTEM FOR A PETROL ENGINE".**

**Applicant:-** INDIA NIPPON ELECTRICALS LIMITED  
272 ANNA SALAI, TEYNAMPET,  
MADRAS 600 018, TAMIL NADU A company duly  
organised and existing under the laws of the union of India.  
INDIA.

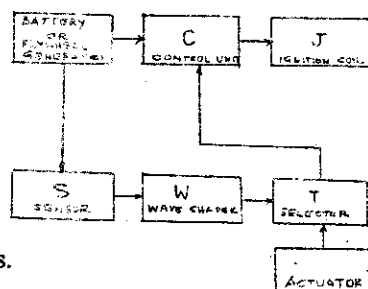
**Inventors:** 1. RAMAN UMASHANKAR;  
2. VAIDYANATHAN SUBRAMANIAN;  
3. KUNNAKKAD NARAYANA PANICKER GOPAKUMAR

Application No 1421/MAS/95. filed on 2-Nov-95.

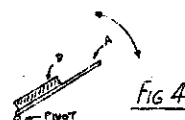
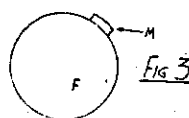
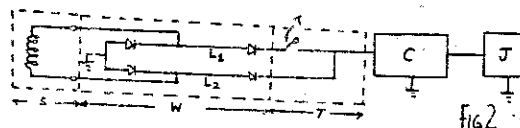
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

**7. Claims**

An ignition system for a petrol engine comprising at least one sensor for sensing the engine speed and the location of the piston with respect to TDC. a wave shaper for receiving the output signal of the sensor and converting the same into a wave form of parameters readable by a control unit, the output of the control unit being fed to the ignition coil of the engine; an actuator and selector, the actuator being operable by the throttle mechanism, at one or more predetermined throttle positions to actuates the selector whereby, the selector, on being actuated <sup>thereby</sup> selects/modifies the said parameters to be read by the control unit thus enabling the control unit to determine the engine advance both with respect to speed and throttle position and thereby determines the ignition timing.



Comp.Specn. 11. Pages; Drgs 1. Sheets.



Ind. Cl. : 70'C 5 192658

Int Cl<sup>4</sup> : B 05 B 5/00

"AN APPARATUS AND A PROCESS FOR COATING A SUBSTRATE WITH ELECTRICALLY CHARGED RESINOUS POWDER PARTICLES"

APPLICANT(S) : ENEXUS CORPORATION  
OF 7 GASTON FARM ROAD,  
GREENWICH CONNECTICUT 06831,  
USA; A US CORPORATION

INVENTOR(S) : 1. BARBARA E WILLIAMS  
2. IAN G HARPUR  
3. GRAHAM L HEARN  
4. JOHN F HUGHES

APPLICATION NO : 1322 MAS 95 Filed On 13-Oct-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, <sup>2003</sup> ) PATENT OFFICE, CHENNAI BRANCH.

### 8 CLAIMS

An apparatus for coating a substrate with electrically charged resinous powder particles which subsequently form on said substrate a uniform, continuous coating, said apparatus, comprising in combination:

- (a) an electrically insulating fluidized bed for inductively charging resinous powder particles,
- (b) high voltage means disposed in one portion of the fluidized bed and connected to a variable high voltage power supply,
- (c) grounded electrode means disposed in another portion of the fluidized bed, whereby an electrical field is created between the high voltage and grounded electrode means to inductively charge the particles,
- (d) fluidizing air means in communication with said fluidized bed for introducing air into the fluidized bed thereby establishing in the presence of the resinous powder particles, an electrostatically charged powder cloud within the fluidized bed,
- (e) conveying means connected to the fluidized bed for transporting electrically charged powder particles from the fluidized bed, and
- (f) dispensing means affixed to the conveying means for directing the electrically charged particles onto the substrate.

Comp.Specn: 35 Drawing: 4 Sheets.

Ind.Cl.: 69 L

192659

Int.Cl.<sup>4</sup>: H01H 67/02

## "AN ELECTROMAGNETIC CONTACTOR DEVICE".

Applicant: SCHNEIDER ELECTRIC SA  
40, AVENUE ANDRE MORIZET  
F-92100 BOULOGNE BILLANCOURT  
(A FRENCH COMPANY)  
FRANCE

Inventors: 1. JEAN-PIERRE DUCHEMIN  
2. BRUNO JACQUET  
3. REGIS PERROCHEAU

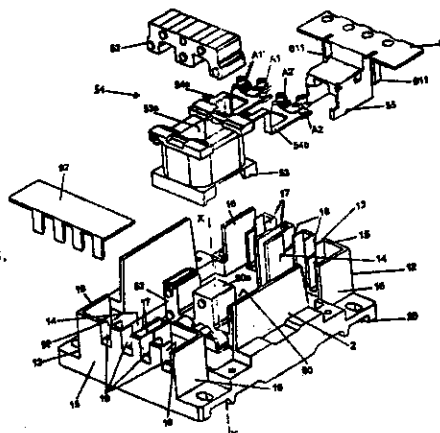
Application No 1341/MAS/95 filed on 17-OCT-1995

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

12 Claims

An Electromagnetic contactor device comprising an enclosure (10) formed by a base unit (2) and a housing unit (3) assembled together and accommodating power poles and a solenoid having a coil (51) the body of which has power supply terminals (A1, A2) on one side, said enclosure (10) providing between the base unit and the housing unit a first housing (12) adapted to receive the power supply terminals characterized in that the enclosure (10) has symmetrically disposed relative to the first housing (12) a second housing (13) also formed between the base unit and the housing unit and having substantially the same cross-section as the first housing for receiving the side of the coil provided with terminals after the coil is turned around, the housing opposite that receiving the terminals being closed off.

Reference to: US PATENT 5600291



Comp.Specn.12 Pages; Drgs 4 Sheets.

Ind.Cl.:56B.

192660

Int.Cl<sup>4</sup>:C10G 69/09.

" A PROCESS FOR THE THERMAL CRACKING OF A RESIDUAL  
HYDROCARBON OIL"

Applicant: Shell Internationale Research Maatschappij B.V  
Carel Van Bylandtlaan 30 2596 HR The Hague  
a Dutch company The Netherlands.

Inventors: 1. Cornelis Adrianus Maria Oudshoorn;  
2. Danny Gaston Rene Peferoen.

Application No 1140/MAS/95. filed on 4-Sep-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003) Patent  
Office, Chennai Branch.

3. Claims

A process for the thermal cracking of a residual hydrocarbon oil wherein at least 35% by weight of the hydrocarbons having a boiling point of 520°C and higher are converted into lower boiling components having a boiling point from 0 to 520°C, which process comprises the steps of:

- (a) heating the residual hydrocarbon oil feed in a furnace to a temperature in the range of from 400 to 510°C, for sufficient time to achieve 30 to 45% of the final conversion of hydrocarbons having a boiling point of 520°C and higher;
- (b) feeding the partially converted, hot hydrocarbon oil produced in step (a) and a hot hydrogen-containing gas such as herein described into a soaker, said hydrogen-containing gas having a sufficiently high temperature to maintain the temperature of the hydrocarbon oil in the soaker by means of direct heat exchange at a value in the range of from 420 to 650°C, in which soaker the remainder up to 100% of the final of hydrocarbons having a boiling point of 520°C and higher conversion takes place;
- (c) separating the gas product obtained in step (b) into a gaseous fraction containing the hydrogen-containing gas and a cracked residue from the soaker;
- (d) optionally separating the cracked residue recovered in step (c) into one or more asphaltene-poor fractions and an asphaltene-rich bottom fraction;
- (e) optionally partially oxidizing the asphaltene-rich bottom fraction resulting from step (d) in the presence of oxygen and steam thereby producing hot synthesis gas; and
- (f) optionally at least a part of the hot synthesis gas produced in step (e) is introduced as the hot hydrogen-containing gas in step (b).

Int. Cl.: 126 A.

192661

Int. Cl.: G01B 7/30; G01D 5/24.

**"CAPACITANCE-TYPE DISPLACEMENT MEASURING DEVICE".**

Applicant: MITUTOYO CORPORATION  
A JAPANESE CORPORATION OF 31-19,  
SHIBA 5-CHOME, MINATO-KU  
TOKYO 108, JAPAN.

Inventors: I. KOUJI SASAKI.

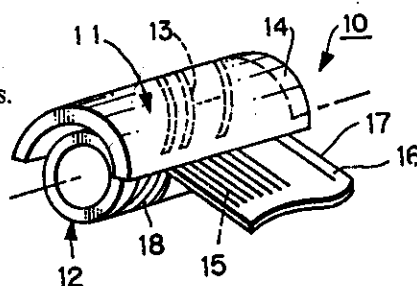
Application No 1491/MAS/95. filed on 17-Nov-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

**10. Claims**

A capacitance-type displacement measuring device for measuring relative position between first and second elements which are relatively movable with a predetermined gap, comprising an array of transmitting electrodes disposed on said first element, alternating signals having different phases from each other being supplied to each transmitting electrode; a receiving electrode disposed on said first element such as to be isolated from said array of transmitting electrodes; and a coupling electrode disposed on said second element to be capacitively coupled to plural electrodes in said array of transmitting electrodes and said receiving electrode, said receiving electrode being adapted to output an electric signal corresponding to a relative position between said first and second elements, the electric signal being supplied to a measuring circuit, wherein one of said first and second elements is an inner member having a cylindrical outer surface, the other is an outer member having an incomplete cylindrical inner surface which is opposed to said outer surface with a predetermined gap, said first and second elements being held to be relatively movable in either axial direction or angular direction, and said array of transmitting electrodes and said receiving electrode are disposed on one of said outer surface of said inner member and said inner surface of said out member, and said coupling electrode is disposed on the other.

Reference to : US 5239307; DE 3426750; US 4864300; 4882536; 4951048;  
5461320; 5495677; 5534859.

**Fig. 4C**

Comp. Specn. 42. Pages; Drgs 26. Sheets.



Ind. Cl.:

6 A3

192662

Int. Cl. 7:

F 04 B - 1/16

"AN AIR PUMP"

APPLICANT(S):

RAMASAMY CHETTIAR SENNAIYAN  
CHETTIAR PONNUSAMY CHETTIAR THURAI  
1092-B, METTUPALAYAM ROAD  
R.S. PURAM, COIMBATORE - 641 002  
TAMIL NADU, INDIA, INDIAN NATIONAL

INVENTOR(S):

1. RAMASAMY CHETTIAR SENNAIYAN  
CHETTIAR PONNUSAMY CHETTIAR THURAI

Application No.

772 MAS 95

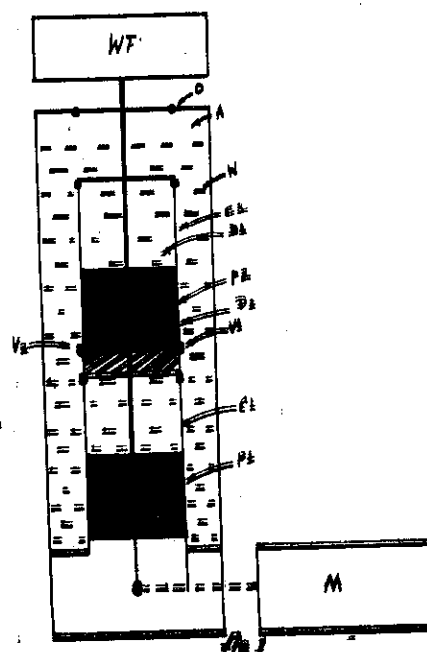
filed on 22-Jun-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

## 4 CLAIMS

An air pump comprising first and second cylinders respectively accommodating first and second pistons, driven by a prime mover, the second piston dividing the second cylinder into two independent compartments; a water jacket, open to atmosphere, surrounding the cylinders, the water in the jacket communicating with the first cylinder and with one of the compartments of the second cylinder, whereby during reciprocation of the pistons water is pumped out of, and fresh water from the water jacket pumped into, the cylinders, while suction/compression working strokes are executed by the second piston, in the other compartment of the second cylinder, drawing in and pumping out air, cyclically; and a weight or spring acting on the second piston, rendering the working stroke more effective.

COMP. SPECN.: 10 PAGES DRAWINGS: 2 SHEETS.



Ind.Cl.: 13 D

192663

Int Cl<sup>4</sup> : B 65 B 009/06

"A TUBULAR BAG MACHINE"

APPLICANT(S) : ROBERT BOSCH GMBH, POSTFACH  
30 02 20, 70442 STUTTGART,  
FEDERAL REPUBLIC OF GERMANY,  
A GERMAN COMPANY.

INVENTOR(S) : 1. ROMIJN;  
2. WIJHUIZEN.

Application No. 1125/MAS/95

FILED ON

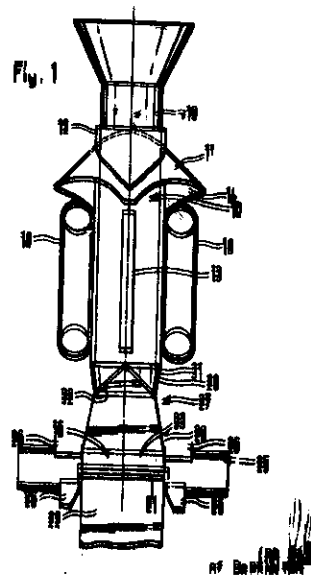
31-Aug-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003 ) PATENT OFFICE, CHENNAI BRANCH.

## 7 CLAIMS

A tubular bag machine (10) for producing bag packs (22) of rectangular cross-section and a bottom closure with side folds drawn in in the shape of a V from a web of packaging material (14), having a shaping tube (12), around which the web of packaging material (14) is shaped into a flexible tube (16) and which has at a run-in cross-section (31) a circular surface area and at a run-out cross-section (33) a rectangular surface area, with in each case the same peripheral extent, having a folding device (25), located after the run-out cross-section (33) of the shaping tube (12) for drawing in side folds, at least in the bottom region of the end section of the flexible tube, and having a transverse-seam-sealing and separating device (21) for forming closure seams in the region of the folding of the flexible tube (16) and detaching a bag pack (22) from the end section of the flexible tube, characterized in that between the circular run-in-cross-section (31) and the rectangular run-out cross-section (33) of the shaping tube (12) an additional intermediate cross-section (32) of the same peripheral extent as the two cross-section (31, 33) is provided to convey the flexible tube (16) along surface lines (1a-1b-1c to 8a-8b-8c) of virtually the same length when passing over from the circular cross-section (31) to the rectangular cross-section (33).

COMP.SPECN: 11 PAGES DRAWING: 3 SHEETS.



Ind. Cl. : 29 D 192664

Int Cl<sup>4</sup> : B 32 B 3/00  
G 06 K 19/16

"STRUCTURE ARRANGEMENT HAVING AN  
OPTICAL-DIFFRACTION EFFECT"

APPLICANT(S) : LEONHARD KURZ GMBH & CO.,  
SCHWABACHER STRASSE 482,  
90763 FUERTH, GERMANY AND  
DEUTSCHE BUNDESBANK,  
WILHELM-EPSTEIN-STRASSE 14,  
60431 FRANKFURT/MAIN GERMANY  
A GERMAN COMPANY

INVENTOR(S) : 1. WERNER REINHART;  
2. JUERGEN HERRMANN.

APPLICATION NO : 671 MAS 95 Filed On 6-Jun-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003 ) PATENT OFFICE, CHENNAI BRANCH.

### 10 CLAIMS

A value bearing article such as herein described comprising at least one visually identifiable optical element (4) showing an optical-diffraction effect on at least one surface (2), said optical element comprising a structural arrangement having a plurality of subregions (26, 32, 34, 43, 44, 45, 46, 47) having a relief structure which is visually identifiable; a predominant number of the subregions (26, 32, 34, 43, 44, 45, 46, 47) having strip shape or band shape configuration and a transverse extent which is bellow 0.3 mm characterized in that the longitudinal extent of the strip-shaped or band-shaped subregions (26, 32, 34, 43, 44, 45, 46, 47) is at least ten times their transverse extent and more than 0.3 mm.

COMP. SPECN : 16 PAGES DRAWINGS: 3 SHEETS

Ref. cited : Co Pending Appli. No. 672/MAS/95

Ind.Cl.: 104 J

192665

Int Cl<sup>4</sup> : C 08 L 9/00, 23/22**"A PROCESS FOR PREPARING RUBBER COMPOSITION"**

**APPLICANT(S) :** CABOT CORPORATION  
A CORPORATION ORGANIZED AND  
EXISTING UNDER THE LAWS OF THE  
STATE OF DELAWARE, USA OF  
75 STATE STREET, BOSTON,  
MASSACHUSETTS, 02109-1806  
USA.

**INVENTOR(S) :** 1. JAMES A BELMONT  
2. THOMAS F REED

Convention No. 08/356, 459 on 16 Dec 94 USA.

Application No. 1649 MAS 95 14-Dec-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

**7 CLAIMS**

A process for preparing a rubber composition comprising the steps of mixing 100 parts by weight of rubber selected from EPDM, HNBR, and butyl rubber, and 10 to 300 parts by weight of a carbon black product having an attached organic group of the formula  $-Ar-S_n-Ar'$ , in which Ar is an arylene group, Ar' is selected from an arylene group and aryl group and n is 1 to 8.

AGENT: M/S. DEPENNING & DEPENNING  
COMP. SPECN.: 14 PAGES. DRAWINGS: NIL

REFERENCE CITED : US.5851280, 5236992

Ind.Cl.:176 F.

192666

Int. Cl.:F22B-1/18;F15C-1/20.

" A WASTE HEAT BOILER FOR COOLING A HOT PROCESS STREAM".

Applicant: HALDOR TOPSOE A/S  
NYMOLLEVEJ 55  
DK-2800 LYNGBY  
DANISH COMPANY  
DENMARK.

Inventors: 1. IVAR IVARSEN PRIMDAHL

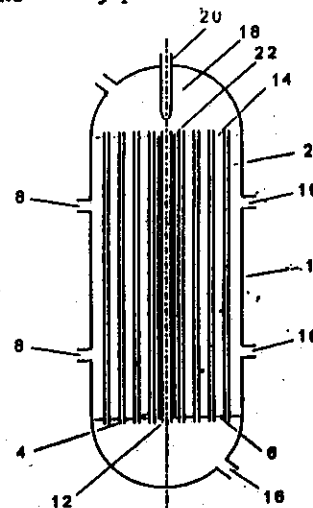
Application No775/MAS/95. filed on 23-Jun-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

#### 4. Claims

A waste heat boiler for cooling a hot process stream comprising within a cylindrical shell a plurality of heat exchanging tubes having an inlet end and outlet end; an outlet chamber for withdrawing the cooled process stream; attached to the shell, means for introducing water on shell side of the tubes; means for introducing the hot process stream into the inlet end of the tubes and passing the process stream through the tubes in indirect heat exchange with the water on shellside of the tubes to produce steam and to cool the introduced process stream; means for withdrawing produced steam, and means for withdrawing the cooled gas stream, which waste heat boiler being further equipped with an insulated by-pass tube having an outlet end in the boiler outlet chamber, the outlet chamber being provided with an injection nozzle for control of flow of the hot process stream through the by-pass tube by injection of a fluid into the by-pass tube outlet end.

Comp.Specn. 9. Pages; Drgs 1. Sheets.



Ind.Cl.:206E.

Int.Cl<sup>4</sup>:H04Q 7/00

"AN APPARATUS FOR CONTROLLING TRANSMISSION POWER IN A VARIABLE RATE COMMUNICATION SYSTEM".

Applicant: QUALCOMM INCORPORATED  
OF 6455 LUSK BOULEVARD, SAN DIEGO,  
CALIFORNIA 92121 A company incorporated in  
the state of Delaware,  
U.S.A.

Inventors: 1. Edward G Tiedemann; 4. Jeffrey A Levin;  
2. Klein S Gilhousen; 5. Charles E wheatlex;  
3. Joseph P Odenwalder; 6. Ephraim Zehavi.

Application No846/MAS/95. filed on 7-Jul-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003) ,  
Patent Office, Chennai Branch.

# 11. Claims

An apparatus for controlling transmission power in a variable rate communication system having a first communication device for the transmission of a data packet of variable rate data in a data frame of a predetermined data capacity to a second communication device, said apparatus comprising receiver means (42,54) for receiving said data frame; frame quality determination means (44,56) for determining a frame quality factor from said data frame; comparator (46,58) for comparing said frame quality factor against a plurality of threshold values to provide a quality signal in accordance with said data rate and wherein each of said threshold values corresponds to a different data rate; and transmitter means (36,64) for transmitting said quality signal.

Reference to : US 4901307; 5103459; 07/822164; 08/194283; 07/8-6312; 5056109  
08/171146.

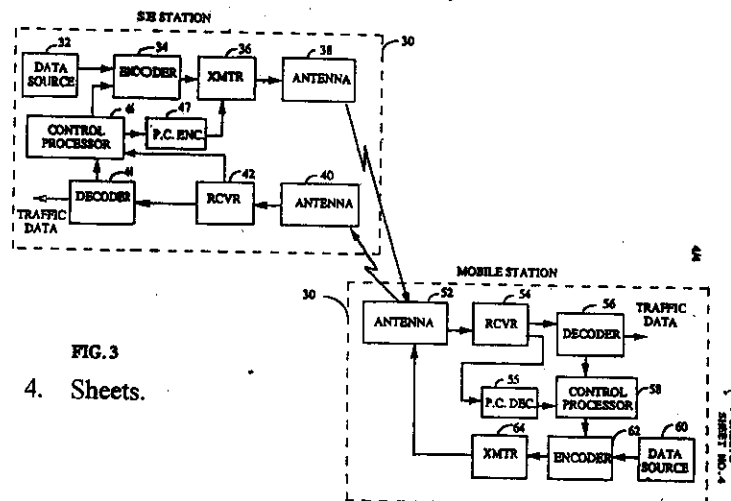


FIG. 3

Comp.Specn. 23. Pages; Drgs 4. Sheets.

Ind.Cl.:01 A

192668

Int.Cl<sup>4</sup>:B24D 3/00,B24D 11/02;

" A COATED ABRASIVE MATERIAL HAVING LENGTH DIMENSION &  
WIDTH DIMENSION".

Applicant: NORTON COMPANY  
1, NEW BOND STREET, BOX NUMBER  
15138 WORCESTER, MA 01615-0138  
A COMPANY INCORPORATED IN AMERICA  
U.S.A.

Inventors: 1. DHIRAJ J. DARJEE;

Application No 1708/MAS/95. filed on 22-Dec-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

#### 10. Claims

A coated abrasive material having length dimension and width dimension and comprising a substrate material having a weight of less than 250 g/m<sup>2</sup> and abrasive particles bonded thereto in a spaced discontinuous pattern, the coated abrasive material having a recovery of at least 80% when subjected to a strain producing a elongation of at least 50% in the length direction or at least 25% in the width direction.

Comp.Specn. 17. Pages; Drgs Nil. Sheets.

Ind.Cl.: 127 I, 15 C 192669

Int. Cl.<sup>7</sup> : F 16 D - 23/14  
F 16 C - 32/00

"A CLUTCH RELEASE BEARING"

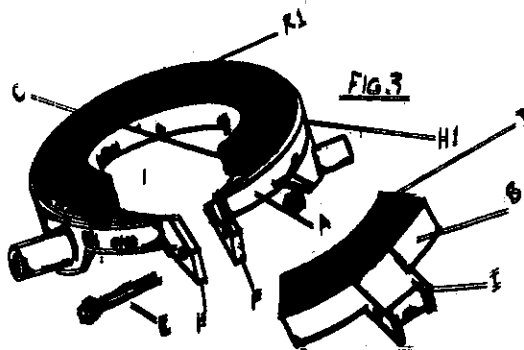
APPLICANT(S) : UMESH RAICHAND SHONEY  
NO.8, SALAI MARIAMMAN KOIL SECOND  
STREET, MUTHIALPET,  
PONDICHERRY 605 003  
INDIA, INDIAN NATIONAL

INVENTOR(S) : 1. UMESH RAICHAND SHONEY

Application No. 915 MAS 95 filed on 19-Jul-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003 ) PATENT OFFICE, CHENNAI BRANCH.  
3 CLAIMS

A clutch release bearing comprising a housing enclosing a carbon ring through which the drive shaft of the vehicle is enabled to pass, characterized in that the housing is made up of two split parts detachably attachable to each other by fastening means; and the carbon ring is also made up of two corresponding split parts respectively fixed to the inner periphery of the split parts of the housing, whereby whenever the split parts of the housing are attached to each other, the split parts of the carbon ring are seated against each other to form a continuous piece, the dimensions of the split parts of the housing, however, being such that the said parts are easily slipped off the drive shaft and slipped on over the drive shaft.



COMP. SPECN.: 9 SHEETS DRAWINGS: 1 SHEET.



Ind. Cl.

92 C

192670

Int Cl<sup>4</sup> :

B 02 B - 3/08

A 23 N - 5/03

**"A COCONUT HUSKING TOOL"**

APPLICANT(S) :

JIPPU JACOB, ASSOCIATE PROFESSOR  
KERALA AGRICULTURAL UNIVERSITY  
KELAPPAJI COLLEGE OF AGRICULTURAL  
ENGINEERING AND TECHNOLOGY  
TAVANUR - 679 573  
MALAPPURAM DISTRICT, KERALA.  
AND  
JOBY BASTIAN, ASSISTANT PROFESSOR  
KERALA AGRICULTURAL UNIVERSITY  
KELAPPAJI COLLEGE OF AGRICULTURAL  
ENGINEERING AND TECHNOLOGY  
TAVANUR - 679 573  
MALAPPURAM DISTRICT, KERALA.  
AND  
THE KERALA AGRICULTURAL UNIVERSITY  
(AN INDIAN UNIVERSITY),  
VELLANIKKARA - 680 654  
TRICHUR DISTRICT, KERALA.

INVENTOR(S) :

1. JIPPU JACOB
2. JOBY BASTIAN

Application No.

1096 MAS 95

filed on 25-Aug-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.  
3 CLAIMS

A coconut husking tool comprising a pedestal, a stationary wedge, a movable wedge, a hinge, and a lever; said tool being such that:

said pedestal is the means for supporting and keeping the means comprising said wedges, said hinge, and said lever, raised from the surface on which said tool in its normal operable-position rests, to facilitate the operation of said tool by an operator normally in the standing or stooping posture;

said stationary wedge, projecting longitudinally above said pedestal and comprising a broad outer wall portion and a broad inner wall portion the upper ends of which are desirably bevelled and un-bevelled respectively, is attached uprightly on the upper portion of said pedestal;

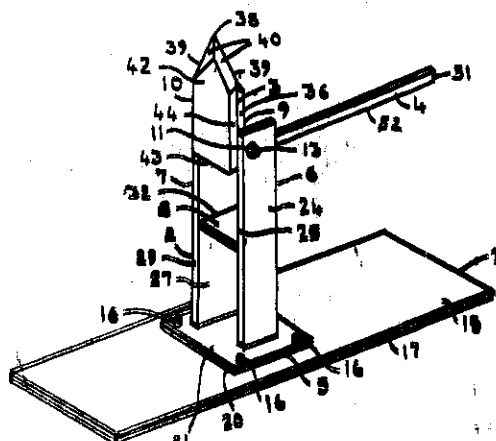
said movable wedge, congruously flanking said inner wall portion of said stationary wedge and pivotally coacting with said lever, is pivotally attached to said hinge positioned in the proximity of the lower end of said stationary wedge;

said hinge, common to said movable wedge and said lever, is arranged on said upper portion of said pedestal;

said lever is so connected to said movable wedge and said hinge as to make their combination substantially a two-arm angular lever or bell crank lever, so as to make said lever and said movable wedge pivotally swing in union about said hinge;

said combination comprising said lever, said movable wedge, and said hinge, while in the normal upright rest-position of said tool, is so positioned on said pedestal that the whole or a substantial portion of said lever remains extended outwardly beyond the plane containing a substantial portion of said outer wall of said stationary wedge, and the whole or most part of said movable wedge remains positioned on the side corresponding to said inner wall portion of said stationary wedge; and

both the said wedges, in the normal upright rest-position of said tool, are desirably in contact and thereby they remain juxtaposed uprightly and congruously on said pedestal because of principally the said relative positions of said wedges, said hinge, and said lever, and the larger moment about the longitudinal axis of said hinge due to the force or forces acting on said lever, preferably the self-weight of said lever.



COMP. SPECN.: 9 PAGES DRAWINGS: 3 SHEETS.  
REFERENCE: US 4383479.

Ind.Cl.:

206 E

192671

Int Cl<sup>4</sup> :

G 10 L 019/00

"AN APPARATUS FOR SELECTING AN ENCODING RATE FROM A  
PREDETERMINED SET OF ENCODING RATES FOR ENCODING A  
FRAME OF SPEECH"

APPLICANT(S) :

QUALCOMM INCORPORATED  
6455 LUSK BOULEVARD  
SAN DIEGO, CALIFORNIA 92121  
USA, (A COMPANY INCORPORATED IN  
THE STATE OF DELAWARE, USA).

INVENTOR(S) :

1. ANDREW P DEJACO

Application No.

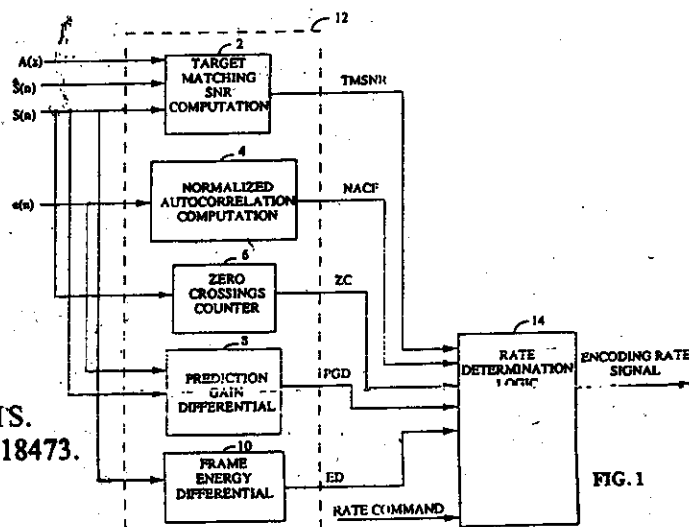
848/MAS/95.

filed on 7-Jul-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

## 8 CLAIMS

An apparatus for selecting an encoding rate from a predetermined set of encoding rates for encoding a frame of speech, having a plurality of speech samples, comprising mode measurement logic (12), responsive to said speech samples and to a signal derived from said speech samples, for generating a set of parameters indicative of characteristics of said frame of speech; and rate determination logic (14) for receiving said set of parameters and for selecting an encoding rate from said predetermined set of encoding rates using predetermined rate selection rules.



COMP. SPECN.:23 PAGES DRAWINGS: 2 SHEETS.  
REFERENCE: US 08/004484, 07/984602, 5341456, 08/118473.

Ind.Cl.:172D2

192672

Int. Cl.7 D01H-9/12;D01H-1/38.

"A SPINNING DEVICE".

Applicant: MASCHINENFABRIK RIETER AG  
KLOSTERTRASSE 20  
CH-8406 WINTERTHUR  
A SWISS COMPANY.  
SWITZERLAND.

Inventors: 1. ANDRE LATTION.

Application No1109/MAS/95. filed on 30-Aug-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

#### 4. Claims

A spinning device, in particular ring spinning frame, for winding a thread or similar onto a tube (2), which is fastened on a spinning shaft (1) with underwinding barrier (15), which is arranged within a whorl (7), whereby the whorl (7) is enclosed by a gliding tube (9) with an inner flange (12) and a reception trough (14) and an outer flange (16), said whorl is furnished at least with one shifting device (6,21; 25) and where between the inner flange (12) of the gliding tube (9) and a ring surface (11) of the whorl (7) a spring (10) is mounted, which has the effect that the underwinding barrier (15) rests in the reception trough (14) above the inner flange (12) if the shifting device (6,21;25) is out of engagement with the gliding tube (9), characterized in that on the ground surface (23) of the underwinding barrier (15) and/or in the reception trough(14) a grooved surface (24,28) is provided.

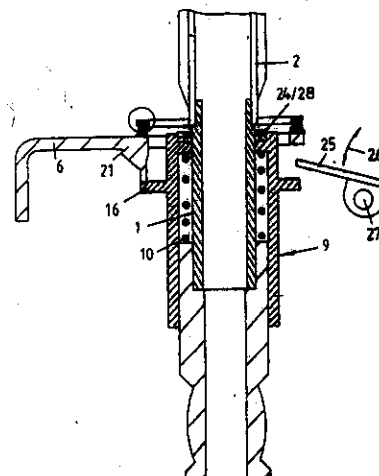


Fig.2

Comp.Specn. 8. Pages; Drgs 2. Sheets.

Ind.Cl.:

174 G

192673

Int. Cl.:

G 01 M - 7/02

F 16 F - 15/20

B 23 Q - 17/12

"A TUNABLE DAMPING SYSTEM FOR REDUCING VIBRATIONS IN MACHINING PROCESSES"

APPLICANT(S):

DESIGN AND MANUFACTURING  
SOLUTIONS, INC.,  
6129 SAVOY CIRCLE, LUTZ,  
FLORIDA 33549, USA  
INCORPORATED IN THE STATE OF  
FLORIDA.

INVENTOR(S):

1. WILLIAM T COBB

Convention No. 08/447; 939 on 23rd May 95 USSN

Application No.

1702 MAS 95

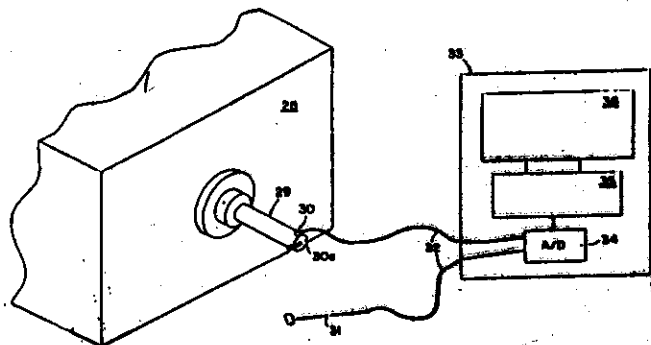
filed on 21-Dec-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

## 10 CLAIMS

A tunable damping system for reducing vibrations in machining processes, said tunable damping system comprising a damping assembly, said damping assembly comprising a central cavity having a closed end and an open end, a damper mass having a first and a second end positioned within said central cavity, a sliding jaw, a first elastomeric support positioned between said sliding jaw and said first end of said damper mass, and a second elastomeric support positioned between said second end of said damper mass and said closed end of said central cavity; a tuning means for adjusting the stiffness of said first and second elastomeric supports; a locking means for rigidly locking said damper mass within said central cavity to facilitate the determination of damping mode parameters; and a tuner assembly, said tuner assembly having a user interface, a microprocessor electrically coupled to said user interface, an A/D converter electrically coupled to said microprocessor, a vibration sensor electrically coupled to said A/D converter, and a force impact hammer electrically coupled to said A/D converter, whereby said tuner assembly facilitates the control of the tuning procedure.

COMP. SPECN.: 39 PAGES  
DRAWINGS: 6 SHEETS.



Ind.Cl.:107 H XLV/(2).

192674

Int.Cl<sup>4</sup>:F02D 23/00; F02M 9/10.

"AN INTERNAL COMBUSTION ENGINE".

Applicant: Yamaha Hatsudoki Kabushiki Kaisha  
of 2500, Shingai,  
Iwata-Shi, Shizuoka,  
a Japanese Company  
JAPAN.

Inventors: 1. JUN TAUE.

Application No1531/MAS/95. filed on 24-Nov-95.

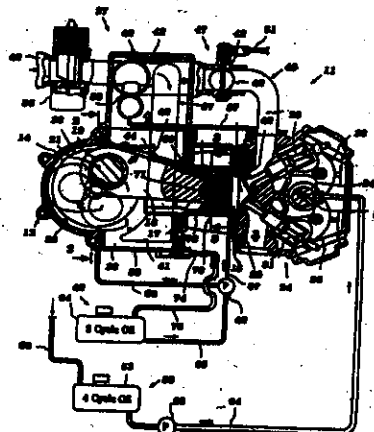
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

12. Claims

An internal combustion engine comprising a cylinder block, cylinder head assembly defining a cylinder bore, a piston reciprocating in said cylinder bore and forming a combustion chamber at one end of said cylinder bore, a crankcase chamber formed at the other end of said cylinder bore and containing a rotatably journaled crankshaft, a connecting rod operatively connecting said piston to said crankshaft for driving said crankshaft upon reciprocation of said piston, said crankshaft, said connecting rod, said piston and said crankcase chamber being formed so that said crankcase chamber functions as a compressor as said piston reciprocates in said cylinder bore, said crankcase chamber forming a portion of an induction system for delivering atmospheric air under pressure to said combustion chamber, said induction system having in addition to said combustion chamber an atmospheric air inlet for supplying atmospheric air to said crankcase chamber and a pressure air conduit for communicating compressed air from said crankcase chamber to said combustion chamber, a manually operated throttle valve in said pressure air conduit for controlling the flow therethrough, a plenum chamber disposed in said pressure air conduit, and atleast one charge former independent of said throttle valve for supplying fuel to said combustion chamber.

Reference to : USA 5,377,634

Comp.Specn. 22. Pages; Drgs 6. Sheets.



Ind.Cl.: 195C, 195d

192675

Int. Cl.<sup>7</sup> : F 16 K - 03/18**"A GATE VALVE"**

APPLICANT(S):

ZIMMERMANN & JANSEN GmbH  
A GERMAN COMPANY, OF  
BAHNSTRASSE 52  
52355 DUREN/BRD  
GERMANY

INVENTOR(S):

1. DR. ING. UWE KRIEG  
2. NDRBERT MARX  
3. DIPL.-ING. DIETRICH ZOSEL

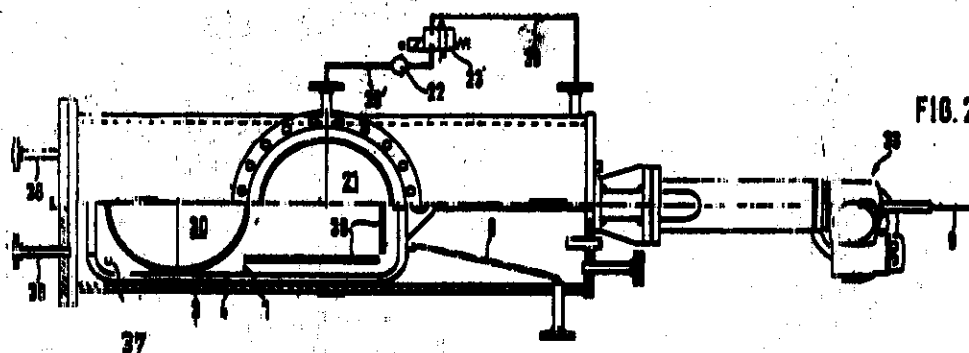
Application No.

616 MAS 95

filed on 23-May-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.  
22 CLAIMS

A gate valve having a housing (13) with an inlet and an outlet port (16,18), a gate (21) containing two closure plates (1,2) being disposed in said housing and being movable between two mutually opposite seats (14,15) transversely to the ports (16,18) situated on a common axis (24), wherein in the closed position of the gate (21) the two closure plates (1,2) or, respectively, the sealing faces (25,26) thereof are in sealing engagement with the respective associated seat (14,15) of the housing (13) under the agency of a pressure medium which is introduced between the two closure plates or sealing faces, characterized by stiffening elements (20; 27; 36; 37) which are operative in the central portion of the mutually facing sides of the two closure plates (1, 2).



COMP. SPECN : 27 DRAWING: 6 SHEETS

Ind. Cl. : 206 E

192676

Int Cl<sup>4</sup> : H 04 B 7/00, 1/00

"AN APPARATUS TO INCREASE A RADIO RECEIVER'S IMMUNITY TO RADIO FREQUENCY INTERFERENCE"

APPLICANT(S) : QUALCOMM INCORPORATED  
A DELAWARE CORPORATION OF  
6455 LUSK BOULEVARD, SAN DIEGO,  
CALIFORNIA 92121, U S A

INVENTOR(S) : 1. PETERZELL PAUL E;  
2. WHEATLEY CHARLES E;  
3. KORNFELD RICHARD K;  
4. WEILAND ANA L.

APPLICATION NO : 1551 MAS 95 Filed On 27-Nov-95

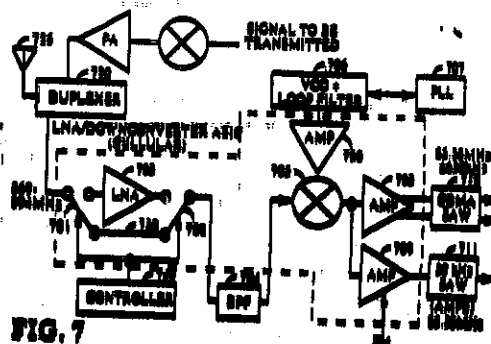
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

## 4 CLAIMS

An apparatus to increase a radio receiver's immunity to radio frequency interference, the radio receiver receiving a signal, the apparatus comprising: a first switch coupled to the received signal, the first switch having a first position and a second position; the second position being coupled to a bypass path; a first amplifier, coupled to the first position of the first switch, for amplifying the received signal; a second switch having a first position and a second position, the first position coupled to the first amplifier and the second position being coupled to the bypass path; a controller coupled to the first switch and the second switch, the controller switching the first and second switches to the second positions in response to the received signal exceeding a predetermined power level; a filter coupled to the output of the first amplifier, the filter outputting a filtered received signal at a filter output; an oscillator for generating an oscillator signal having a predetermined frequency; a mixer, having a first input and a second input, the first input being coupled to the filter output and the second input being coupled to the oscillator, the mixer generating a downconverted signal in response to the oscillator signal and the filtered received signal; a second amplifier coupled to the downconverted signal; a third amplifier coupled to the downconverted signal; a first surface acoustical wave filter, coupled to the second amplifier, for generating a signal for use in a digital radiotelephone system; and a second surface acoustical wave filter, coupled to the third amplifier, for generating a signal for use in an analog radiotelephone system.

COMP.SPECN: 18 PAGES DRAWING: 14 SHEETS.

REFERENCE CITED: US 3060381, 3587017, 4525863  
5093840, 5276912, 5321847





Ind.Cl.: 32 C

192677

Int Cl<sup>4</sup> : B 21 B 31/08

"RESIN ROLL FOR CALENDERING MAGNETIC RECORDING MEDIUM  
AND A METHOD OF MANUFACTURING THE SAME"

APPLICANT(S) :

YAMAUCHI CORPORATION  
A JAPANESE CORPORATION OF  
2-7, SHODAI-TAJIKA, HIRAKATA-SHI  
OSAKA, JAPAN.

INVENTOR(S) :

1. ATSUO WATANABE  
2. KENJIRO NAKAYAMA  
3. TATSUYUKI ABE

Application No.

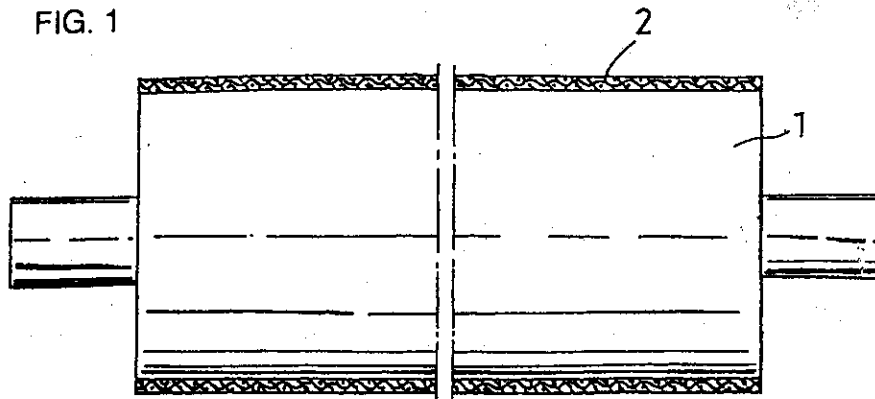
1587 MAS 95

filed on 04-Dec-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003 ) PATENT OFFICE, CHENNAI BRANCH.  
12 CLAIMS

A resin roll for calendaring a magnetic recording medium comprising:  
a metal roll core (1); and  
a thermosetting resin outer layer (3); wherein  
a surface portion of the thermosetting resin outer layer has a storage modulus ( $E'$ )  
from  $5 \times 10^{10}$  to  $5 \times 10^{11}$  dyn/cm<sup>2</sup> at a temperature from 50 to 150°C at a frequency of  
10 Hz.

FIG. 1



AGENT: M/S. DEPENNING &amp; DEPENNING

REFERENCE: US 4308311, 4962578, 5577443, 5670006, 5686172.

Ind. Cl. : 107 E

192678

Int Cl<sup>4</sup> : F 01 N 3/10**"AN EXHAUST GAS PURIFYING DEVICE".**

APPLICANT(S) : HONDA GIKEN KOGYO KABUSHIKI  
 KAISHA OF 1-1, MINAMI-AOYAMA  
 2-CHOME, MINATO-KU, TOKYO,  
 JAPAN, A JAPANESE COMPANY

INVENTOR(S) : 1. HIROSHI KATO  
 2. MITSUO KUSA  
 3. KENSUKA SUZUKI  
 4. TAKAHITO SEKITA

APPLICATION NO : 988 MAS 99      Filed      11-Oct-99

Divisional to Patent Application No:1224/MAS/94  
 Ante-dated to 7th Dec, 1994

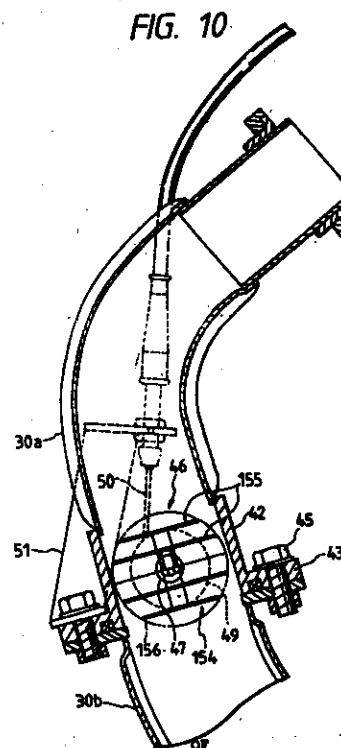
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
 ( RULE 4 , PATENTS RULES, 2003 ) | PATENT OFFICE, CHENNAI BRANCH.

**6 CLAIMS**

An exhaust gas purifying device which comprises a valve chamber connected to an exhaust pipe, the valve chamber having a control valve to vary the aperture area of the exhaust gas passageway in the exhaust pipe, at least part of the control valve carrying a catalyst.

AGENT:-M.s.DePenning & DePenning

REFERENCE CITED : JP : 85316/1991  
 229913/1991  
 72925/1985



## Alteration of Date

Patent No. 192678 (988/MAS/99) Ante-Dated to 7th December, 1994.

Ind.Cl.:69A.

192679

Int.Cl<sup>4</sup>:H01H83/22; 71/08;11/00

" A DIFFERENTIAL SWITCH DESIGNED TO BE CONNECTED IN SERIES TO ONE OR MORE PROTECTIVE ELEMENTS".

Applicant: SCHNEIDER ELECTRIC SA  
of 40, AVENUE ANDRE MORIZET  
F-92100 BOULOGNE BILLANCOURT  
(A FRENCH COMPANY)  
FRANCE.

Inventors: 1. MICHEL BONNIAU.

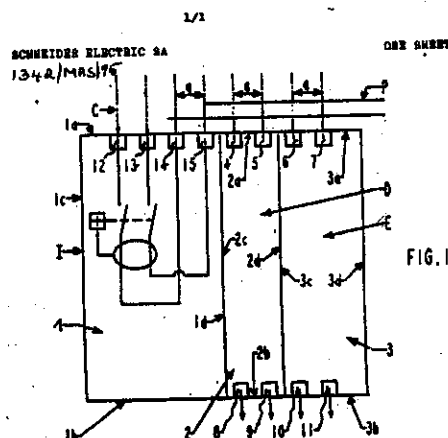
Application No 1342/MAS/95. filed on 17-Oct-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

### 6. Claims

A differential switch designed to be connected in series to one or more protective elements, notably fuse cut-outs or circuit breakers, the switch and protective elements being housed in cases presenting two opposite narrow faces comprising input or output connection terminals, and two opposite side walls via which said cases are adjoined two by two, the output terminals of the switch being electrically connected to the input terminals of the protective elements, characterized in that the case (1) of the switch (I) comprises the same number of output terminals (14,15 and 14a,15a) on its two opposite face (1a,1b), these output terminals (14,15 14a,15a) being separated two by two by a preset distance (a) corresponding to the distance separating the input terminals (4 to 7) of the protective elements (E,D), so as to enable said output terminals (14,15 14a,15a) to be connected to said input terminals (4 to 7) by means of a standard connecting comb (P) located on either side of the cases (1,2,3).

Reference to : EP-A-0114539; EP-A-0454016; DE-V-8801539; SR-A-2427679; SR-A-2438369; EP-A-0387168; EP-A-0647964.



Ind.Cl.: 76 B, 95 C 192680

Int Cl<sup>4</sup> : F 16 D 1/08  
F 16 B 7/02

"CLAMP SYSTEM"

APPLICANT(S): RALPH MULLENBERG,  
Im WIESENGRUND 6, D-41516  
GREVENBROICH, FEDERAL REPUBLIC  
OF GERMANY, A GERMAN CITIZEN

INVENTOR(S): 1. RALPH MULLENBERG.

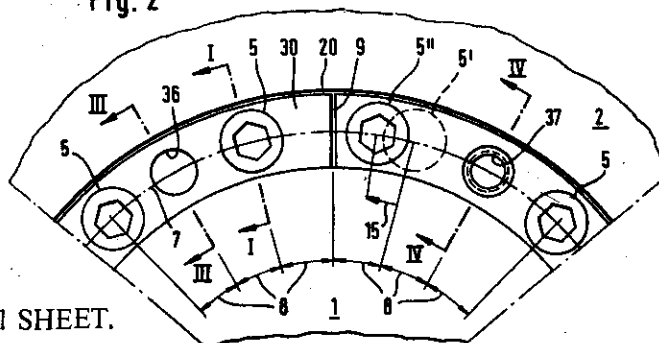
Application No. 958/MAS/95 Filed On 27-Jul-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

## 2 CLAIMS

Clamp system (10) for connecting an outer component (2), in particular a hub, having a cylindrical opening (4) to an inner component (1), in particular a shaft, having a cylindrical external surface (3) and arranged concentrically within the opening (4), the said clamp system comprising a biconical ring (20) having a cylindrical surface (21) and two mutually oppositely directed conical surfaces (22,23) having a conicity lying in the self-locking range, the greatest wall thickness of the biconical ring (20) lying middle of the biconical ring (20) looking axially; two further conical rings (30, 40), which each have a conical surface (32, 42) which co-operates with a conical surface (22, 23) of the biconical ring (20); axial clamping screws (5) in the form of headed screws having a regular distribution (8) around a pitch circle (7); axial thrust or pushing-off screws which are provided at the same spacing (8) in the positions of clamping screws (5) at their positions and by means of which the conical rings (30,40) can be pushed axially away from the biconical ring (20); and a radially projecting circumferential web (24) provided on the biconical ring (20) between the conical rings (30, 40) in the region of the clamping screws (5), the web having in it axial clearance bores (26) for the clamping screws (5) at the points which line up with the clearance bores (36) in the conical ring (30) nearest the heads (6) of the screws and screw-threaded bores (46) in the conical ring (40) furthest from the heads (6) of the screws, while at other points distributed circumferentially in the circumferential web there are bore-free points (28) which lie opposite screw-threaded bores (37) for thrust or pushing-off screws in the conical ring (30) nearest the heads (6) of the screws, and at still further points distributed circumferentially in the circumferential web (24) there are provided screw-threaded bores (27) which line up with clearance bores (36) in the conical ring (30) nearest the heads (6) of the screws and with bore-free points (44) in the conical ring (40) furthest from the heads (6) of the screws, characterized in that at one point a clamping screw (5) is present offset from the uniform spacing (8,8,8).

Fig. 2



Ind.Cl.:206 E.

192681

Int.Cl<sup>4</sup>:GO12 9/14.

"AN APPARATUS FOR DETERMINING AN ENCODING RATE FOR AN INPUT SIGNAL IN A VARIABLE RATE VOCODER."

Applicant: QUALCOMM INCORPORATED  
OF 6455 LUSK BOULEVARD SAN DIEGO,  
CALIFORNIA 92121, A COMPANY  
INCORPORATED IN THE STATE OF DELAWARE  
USA.

Inventors: 1. ANDREW P DEJACO;  
2. WILLIAM R GARDNER.

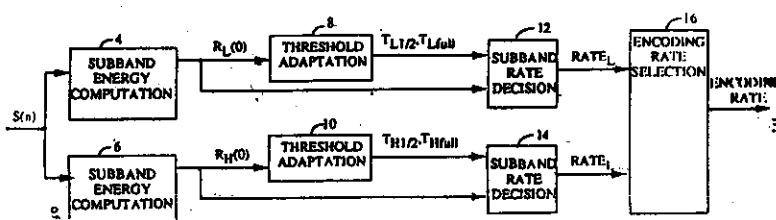
Application No849/MAS/95. filed on 7-Jul-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003) ,  
Patent Office, Chennai Branch.

### 3. Claims

An apparatus for determining an encoding rate for an input signal in a variable rate vocoder comprising subband energy computation means (4,6) for receiving said input signal and determining a plurality of subband energy values in accordance with a predetermined subband energy computation format; a plurality of subband rate determination means (12,14) wherein each of said plurality of subband rate determination means is for receiving a corresponding one of said plurality of subband energy values and determining a subband encoding rate in accordance with said corresponding one of said plurality of subband energy values to provide a plurality of subband encoding rates; and encoding rate selection means (16) for receiving said plurality of said subband encoding rates and for selecting said encoding rate for said input signal in accordance with said plurality of subband encoding rates.

Reference to : US 3633107;4012595;EP 0167364;0190796; US 07/713661



Ind.Cl.: 107 K

192682

Int Cl<sup>4</sup> : B 05 B 1/32

"AN INJECTION NOZZLE AND A PROCESS FOR MANUFACTURING THE SAME"

APPLICANT(S):

ROBERT BOSCH GmbH  
POSTFACH 30 02 20,  
70442 STUTTGART,  
FEDERAL REPUBLIC OF GERMANY  
A GERMAN COMPANY.

INVENTOR(S):

1. CHRISTOPH TREUTLER  
2. HANS-FRIEDMANN KOBER

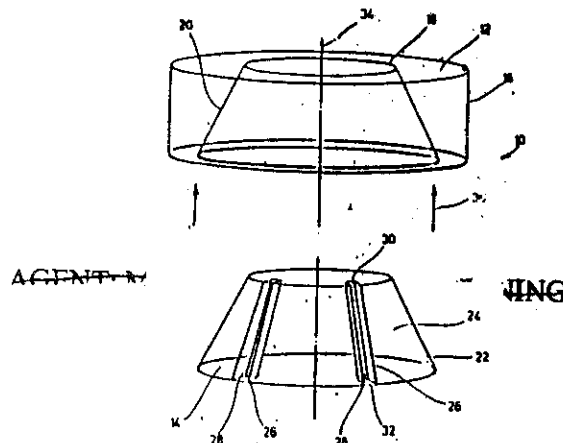
Application No.

1126/MAS/95

filed on 31-Aug-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.  
24 CLAIMS

An injection nozzle for, a diesel injection system in motor vehicles, having at least one spray passage penetrating the injection nozzle, wherein the injection nozzle (10) has two parts (12, 14) which engage with one another as a form-fit and which are in contact on generated surfaces (20, 24) and the spray passages (26) are in the shape of open-edged depressions (28) on at least one of the generated surfaces (20,24).



COMP. SPECN.: 24 PAGES DRAWINGS: 8 SHEETS.  
REFERENCE: US469211, 2051108, 3640472,  
4069978, 4204631, 4339081.

Ind.Cl.:55E, 128F.

192683

Int.Cl<sup>4</sup>:A61K 9/00.

"A METHOD OF PRODUCING LIPOSOME VESICLES".

Applicant: BRACCO RESEARCH S.A.  
7,ROUTE DE DRIZE  
1227 CAROUGE-GENERE  
A SWISS COMPANY  
SWITZERLAND.

Inventors: 1. HERVE TOURNIER;  
2. MICHEL SCHNEIDER;  
3. CHRISTIAN GUILLOT.

Application No1201/MAS/95. filed on 14-Sep-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

20. Claims

A method of producing liposome vesicles with enhanced entrapment capacity said method comprising the steps of a) dissolving one or more lipids selected from synthetic or natural, saturated and unsaturated phospholipids having phosphatidic acid, phosphatidyl choline, phosphatidylethanol amine, phosphatidyl serine, phosphatidyl glycerol, phosphatidyl inositol and mixtures thereof wherein the lipids further contain substances selected from dicetylphosphate, cholesterol, ergosterol, phytosterol, sitosterol, lanosterol, tocopherol, stearic acid, stearyl amine and mixtures thereof in at least one organic solvent to form a solution in a reaction vessel, b) evaporating the organic solvent to form a thick, viscous solution and, c) expanding the thick viscous solution into a foam, while evaporating d) contacting the lipid deposit with the aqueous carrier phase; thereby producing a dry expanded three dimensional lipid structure with a bulk density below  $0.1\text{g/cm}^3$ .

Agent:M/S.DEPENNING & DEPENNING.

Comp.Specn. 23. Pages; Drgs 4. Sheets.

Ind. Cl. : 32 E 192684  
Int. Cl.<sup>4</sup> : C 08 G 63/34

**"A PROCESS FOR THE PREPARATION OF POLYESTERS AND COPOLYESTERS"**

Applicant(s) : ACORDIS INDUSTRIAL FIBERS GmbH  
OF KASINOSTRASSE 19-21  
D-42103 WUPPERTAL  
GERMAN  
A GERMAN COMPANY.

Inventor(s) : 1. DR. MARTL MICHAEL  
2. DR. MEZGER THOMAS  
3. DR. KUHN BERNHARD  
4. DR. OBERLEIN, GERRIET  
5. DR. HAERLAND KLAUS  
6. DR. BOEHRINGER, BERTRAM  
7. DR. BERGEN ULRICH

Application No : 1452 MAS 95 filed on 9-Nov-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, Chennai Branch.

**8 Claims**

A process for the preparation of polyesters and/or copolyesters by polycondensation of polyester-forming starting components such as herein described, esters and oligoesters being prepared in a first reaction stage employing a transesterification catalyst if a dicarboxylic acid ester is the polyester-forming starting component and subjected to polycondensation in a second reaction stage in the presence of titanium catalysts, characterized in that, at any point in time during the first reaction stage or before the polycondensation in the second reaction stage or in the polycondensation stage, compound selected from a titanium dioxide precipitate a titanium dioxide and silicon dioxide coprecipitate having a composition of  $\text{TiO}_2:\text{SiO}_2$  of 90:10 mol/mol a titanium dioxide and zirconium dioxide coprecipitate having a composition of  $\text{TiO}_2:\text{ZrO}_2$  of > 95:5 mol/mol and mixtures thereof, which have been obtained by hydrolytic precipitation of the corresponding metal alcoholates formed from mono- or polyhydric alcohols and optionally isolated as described herein, is employed as the polycondensation catalyst in an amount as described herein for polycondensation of the esters or oligoesters.

Comp. Specn. : 32 Pages Drawings : Nil  
Reference Cited : JA-A 8023136 DE-P 947517, Be-p 619210.



Ind. Cl. :

33 A

192685

Int Cl<sup>4</sup> :

F 16 M 1/026

"A DEVICE FOR SUPPORTING A SIDEWALL OF A PLANT FOR THE CONTINUOUS TWIN-ROLL CASTING OF THIN METAL PRODUCTS"

APPLICANT(S) :

USINOR SACILOR (SOCIETE ANONYME)  
A FRENCH COMPANY IMMEUBLE  
"LA PACIFIC" - 11/13 COURS VALMY  
LA DEFENSE 7- 92800 - PUTEAUX  
(FRANCE) AND THYSSEN STAHL  
AKTIENGESELLSCHAFT KAISER  
WILHELMSTRASSE 100 47166 -  
DUISBURG (ALLEMAGNE), GERMANY  
A GERMAN COMPANY.

INVENTOR(S) :

1. HUGUES LEGRAND;  
2. PIERRE DELASSUS.

APPLICATION NO :

1453 MAS 95

filed on 9-Nov-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

## 10 CLAIMS

A device for supporting a side wall (2) of a plant for the continuous twin-roll casting of thin metal products, of the type having two cooled rolls (1,1') having horizontal axes, two side walls (2) applied against the ends (3) of the rolls (1,1'), said support device comprising a carriage (5) which is controllably moved in a direction parallel to the axes of the rolls (1,1'), a thrust means (6) carried by said carriage (5), and a support plate (4) connected to said thrust device (6) and solidly fastened to the side wall (2), characterized in that said mounting plate (4) has at least two pads (10,10' 10", 10''') which is controllably moved in a direction parallel to the axes of the rolls (1,1') by means (11,11') which are able to apply each of said pads (10',10',10", 10''') against an end (3) of one of the rolls(1,1').

COMP.SPECN: 14 PAGES DRAWING: 1 SHEET.  
REFERENCE CITED: EP-A-546206; FR 94/08319.

Ind. Cl. : 201C 192686

Int Cl<sup>4</sup> : C 02 F 1 / 50

"A PROCESS AND AN ARTICLE FOR  
PRODUCING DISINFECTED WATER"

APPLICANT(S) : KIMBERLY-CLARK WORLDWIDE INC.  
OF 401 NORTH LAKE STREET  
NEENAH, WISCONSIN 54957-0349  
UNITED STATES OF AMERICA  
AN US COMPANY

INVENTOR(S) : 1. CAROL ANN BLANEY;  
2. KRISTI LYNN KICK-FISCHER;  
3. ROSANN MARIE KAYLOR.

APPLICATION NO : 1485 MAS 95 FILED 16-Nov-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003 )) PATENT OFFICE, CHENNAI BRANCH.

### 30 CLAIMS

A process for producing disinfected water which provides a visual indication after the disinfection is complete, the process comprising the steps of providing water; intermixing the water with a disinfectant such as herein described for a time period  $T_k$ , where  $T_k$  is sufficient to allow the disinfectant to render harmless substantially all pathogens present in the water; intermixing the water with a colorant such as herein described; intermixing the water with a material adapted to remove substantially all of the disinfectant and colorant from the water over a time period  $T_r$ , where  $T_r$  is greater than  $T_k$ ; wherein the water, disinfectant, colorant and material are intermixed for a time period of  $T_r$  or greater; and whereby substantially all pathogens in the water are rendered harmless, substantially all of the disinfectant is removed from the water and substantially all of the colorant is removed from the water.

COMP.SPECN: 28 PAGES DRAWING: 4 SHEETS.

Ind.Cl.: 145 E 3 & 145 F 192687

Int Cl<sup>4</sup> : D 21 C 3/00

"A DEINKING-PROCESS"

APPLICANT(S) : CIBA SPECIALTY CHEMICALS WATER  
TREATMENTS LIMITED, A BRITISH  
COMPANY OF P O BOX 38, LOW MOOR,  
BRADFORD WEST YORKSHIRE,  
BD 12 0JZ, ENGLAND.

INVENTOR(S) : 1. JOHN OLIVER STOCKWELL;  
2. HOWARD ROGER DUNGWORTH;  
3. TIMOTHY GUY BINGHAM.

Application No. 1505/MAS/95 filed on 21-Nov-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

### 13 CLAIMS

A deinking process which comprises forming a pulp of recycled paper, separating a hydrophobic fraction containing ink from the pulp and recovering the deinked pulp, characterised in that the separation of the hydrophobic fraction is promoted by including in the pulp as emulsion in water of polymer formed of ~~at~~ water insoluble monomer blend comprising.

COMP.SPECN: 27 PAGES 7 DRAWING: SHEETS.

REFERENCE CITED: GB 2178079; US 5073234; JP-B- 47040881; WO 95/12026.

Ind. Cl. : 125 192688

Int Cl<sup>4</sup> : A 47 F 01/035

"A MULTI-VOLUME MEASURING BOTTLE"

APPLICANT(S) : SUBRAMANIAM CHARULATHA,  
OLD NO.320, NEW NO.625.  
RAJA STREET,  
COIMBATORE - 641 001,  
TAMIL NADU.

INVENTOR(S) : 1. SUBRAMANIAM CHARULATHA.

APPLICATION NO : 1566 MAS 95 filed on 1-Dec-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 12003) PATENT OFFICE, CHENNAI BRANCH.

## 2 CLAIMS

A "Multi-Volume Measuring Bottle", for liquids, which consists of two chambers – a 'liquid chamber' for storing liquid, and a 'measuring chamber' with graduations for measuring and isolating a desired volume of the liquid; a passage inter-connecting the two chambers, controlled by a spool, which can be used to allow liquid to flow between the two chambers in order to facilitate measurement of liquid in the 'measuring chamber', or to isolate the two chambers once the desired volume of liquid has been admitted in the 'measuring chamber'; an air breathing passage between the two chambers to equalize air pressure to allow smooth flow of liquid between the two chambers whenever the two chambers are inter-connected; an opening with a lid at the top of the 'measuring chamber', such that when the bottle is tilted with the lid open and with the two chambers isolated, the measured volume of liquid in the 'measuring chamber' alone can be poured out without risk of pouring the remaining liquid in the 'liquid chamber'.

COMP.SPECN: 14 PAGES. DRAWING: 4 SHEETS.

Ind. Cl.

55 F &amp; 83 A

192689

Int Cl<sup>4</sup> :

D 01 B 1 / 02

B 01 D 11 / 02

C 11 B 1 / 04

A PROCESS FOR THE EXTRACTION OF DIETARY FIBRE,  
OLEORESIN AND FIXED OILS FROM THE SEEDS OF FENUGREEK  
(TRIGONELLA FOENUM GRAECUM) AND AN EXTRACTION MODULE  
APPARATUS FOR THE SAME"

APPLICANT(S) :

- (i) Dr. GARRIMELLA BHASKAR RAO, OF  
43/52, Dr. JAGANNATHA NAGAR, AERODROME  
POST, COIMBATORE-641 014.  
(ii) Mr. ANGAPPA MUDALIAR PONRAJ, B.TECH., OF  
KALYANI CHEMICAL CAMPUS, METTUR MAIN  
ROAD, NEAR BUS STAND, BHAVANI-638 102.  
(iii) Mr. THAVITTURPALAYAM KRISHNAN RAJENDREN  
OF 636, NETAJI ROAD, SRI KRISHNA BUILDING,  
ERODE-638 001.  
(iv) Mrs. PONRAJ PARVATHI, M.Sc., M.Phil. OF  
KALYANI CHEMICAL CAMPUS, METTUR MAIN  
ROAD, NEAR BUS STAND, BHAVANI-638 102.  
(v) Mr. KRISHNAMMAL SUJATHA, M.A., B.ED., OF  
4-1-32C, OPPOSITE R.C. PLANT,  
NEW COLONY, METTUR DAM, 636 403.  
TAMIL NADU AN INDIAN NATIONAL.

INVENTOR(S) :

1. Dr. RAO, GARRIMELLA BHASKAR;
2. Mr. PONRAJ, ANGAPPA MUDALIAR; B.TECH.,
3. Mr. RAJENDRAN, THAVITTURPALAYAM KRISHNAN;
4. Mrs. PARVATHI, PONRAJ, M.Sc., M.Phil.,
5. Mrs. SUJATHA, KRISHNAMMAL M.A., M.Phil.,

Application No.

112/MAS/00

filed on 14-Feb-00 INDIAN

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

## 15 CLAIMS

A process for the extraction of Dietary Fibre, Oleoresin and Fixed Oils from the seeds of Fenugreek (Trigonella Foenum Graecum) comprising:

- i. optionally cleaning of said fenugreek seeds, and sorting, crushing, grinding and/or milling thereof;
- ii. treating the said seeds with a substantially freshly condensed first solvent such as herein described in a first stage of extraction to yield a first extract and partly treated seeds; said first extract containing at least 75% of the fixed oils originally contained in said seeds together with the said solvent;

- iii. further treating of the said partly seeds with a substantially freshly condensed second solvent such as herein described in a second stage of extraction to yield a second extract and said substantially pure wet dietary fibre, said second extract containing said oleoresin and substantially the whole of the remainder of said fixed oils contained in said partly treated seeds and said second solvent;
- iv. drying of said substantially pure dietary fibre by heating upto temperatures between  $80-100^{\circ}\text{C}$ ;
- v. heating said first extract to temperatures below the boiling point of the said first solvent so as to evaporate said first solvent therein to isolate said substantially pure fixed oils such as herein described;
- vi. heating said second extract to temperatures below the boiling point of the said second solvent to evaporate said second solvent therein to isolate a product mixture containing said oleoresin and substantially the whole of the remainder of said fixed oils contained in said partly treated seeds.
- vii. treating said product mixture obtained in step (vi) with ethanol for a period of time and at a temperature as herein described;
- viii. cooling said treated product mixture to a temperature ranging from  $-10^{\circ}\text{C}$  to  $-15^{\circ}\text{C}$  obtain a heavy phase and light phase;
- ix. separating said heavy and light phases, preferably by decanting, said separated heavy phase comprising said substantially pure oleoresin;
- x. separating the crystallised impurities if any, such as fats and waxes from said light Phase preferably by filtering; and
- xi. evaporating ethanol from said light phase preferably by heating, to yield said substantially pure fixed oils.

COMP.SPECN: 29 PAGES      DRAWING: 1 SHEET.

REFERENCE CITED: US 5,658,571; US 5,997,877.

Ind.Cl.:40 F

192690

Int.Cl<sup>4</sup>:C 12 M 1/00

" A FERMENTATION ASSEMBLY "

**Applicant:** F. HOFFMANN-LA ROCHE AG  
OF 124 GRENZACHERSTRASSE,  
CH - 4070 BASLE  
(A SWISS COMPANY)  
SWITZERLAND.

**Inventors:** 1. ATTILA BARTOK;  
2. THORSTEN MUEH;  
3. MARKUS RUECKEL.

Application No849/MAS/2000 filed on 6-Oct-2000

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

## 2 Claims

A fermentation assembly comprising

- (a) a vessel for culturing living cells;
- (b) at least two storage flasks in fluid communication with the vessel for supply of liquids and a first transport means for transferring the liquids from the storage flasks to the vessel;
- (c) individual volumetric or mass flow rate measuring instruments operably connected to the transport means, for monitoring the supply of the contents of the storage flasks to the vessel;
- (d) a harvest flask in fluid communication with the vessel and a second transport means for transferring the fermentation broth from the vessel to the harvest flask; and

- (e) a system containing a measuring instrument that monitors the flow from the storage flasks and a controlling unit, which system is operably connected to the first transport means for controlling and maintaining a constant dilution rate in the vessel with varying rates of individual supply of liquid from the storage flasks to the vessel wherein.
- (i) vessel (1) is equipped with inlet tubes (2a) from storage flasks (2) for supply of liquids;
- (ii) pumps (3) are for transporting liquids from the storage flasks (2) to vessel (1);
- (iii) scales (4) are for monitoring the amount of liquids supplied to and discharged from the vessel;
- (iv) pump (6) is for discharging fermentation broth via outlet tubes (5a) to a harvest flask (5);
- (v) controlling unit (11) is for monitoring and steering individual control systems (17) for temperature, pH, gas pressure, vessel content and antifoam agents;
- (vi) gas inlet tubes(9) and outlet tubes (10) are present;
- (vii) main controlling unit (7) is for overall process monitoring and steering;
- (viii) circuit (12) having pump (13) is for gas supply and taking samples;
- (ix) gas inlet and outlet flow control (14) and (15) are present;  
and, optionally, sterile filters (16) and thermostating unit (8) are present.



192691

Ind.Cl.:133A LIX(3).

Int.Cl<sup>4</sup>:H02P 5/12.

"A SEMICONDUCTOR DEVICE AND A METHOD OF PRODUCING THE SAME".

Applicant: Mitsubishi Denki Kabushiki Kaisha  
of 2-3, Marunouchi 2-chome, Chiyoda-ku,  
Tokyo 100 ( a company organized and  
existing under the law of Japan)  
JAPAN.

Inventors: 1. KYOKO KURUSU;  
2. KATSUMI ADACHI.

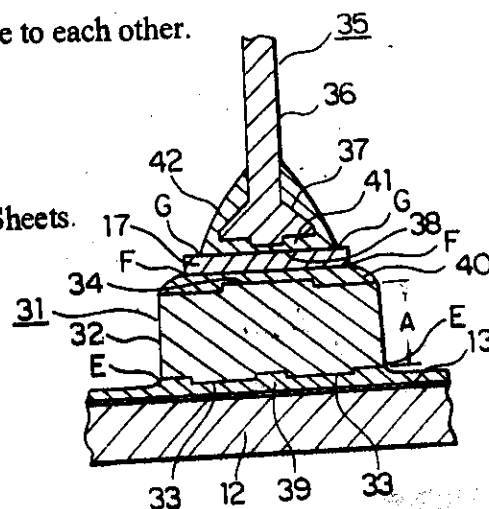
Application No1253/MAS/95. filed on 27-Sep-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),  
Patent Office, Chennai Branch.

### 17. Claims

A semiconductor device comprising a semiconductor chip having a plate electrode, an electric conductor having an opposing electric conductor part disposed at a location opposite to said plate electrode, a protruding part formed at least either on said opposing electric conductor part or on said plate electrode, and a solder layer having a thickness greater than 25  $\mu\text{m}$  disposed between said plate electrode and said opposing electric conductor part in which said protruding part is disposed at a location opposite to a corresponding element or protruding parts are disposed opposite to each other.

Comp.Specn. 39. Pages; Drgs 6 Sheets.



Ind. Cl.:

63 G

192692

Int Cl. <sup>4</sup>:

G 11 B 25/00

**"ELECTRONIC CIRCUIT APPARATUS"**

APPLICANT(S):

INTERNATIONAL BUSINESS MACHINES  
CORPORATION, A COMPANY ORGANIZED  
AND EXISTING UNDER THE LAWS OF  
THE STATE OF NEW YORK, U.S.A., OF  
ARMONK, NEW YORK 10504  
U.S.A.

INVENTOR(S):

1. MATHEW KAYHAN SHAFF

Application No.

805 MAS 95

filed on 30-Jun-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003 ) PATENT OFFICE, CHENNAI BRANCH.  
30 CLAIMS

An electronic circuit apparatus comprising an electronic circuit board, an electronic circuit mounted on said circuit board, said electronic circuit having a programmable logic unit (PLU); a component disk drive mounted on said circuit board and coupled to said electronic circuit, said component disk drive configured to store microcode for programming said PLU; and a logic programmer device mounted on said electronic circuit board and coupled to said PLU.

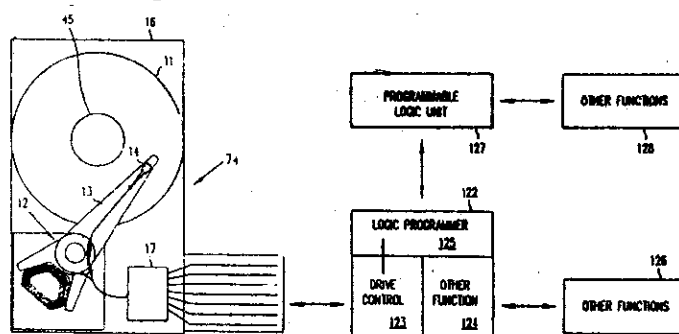


FIG. 6

COMP. SPECN.: 32 PAGES DRAWINGS: 8 SHEETS.

Ind.Cl.: 40 E, H

192693

Int Cl<sup>4</sup> : F 25 J 1/00, 3/00

"A PROCESS FOR PRODUCING CRUDE ARGON BY LOW TEMPERATURE  
SEPARATION OF AIR AND AN APPARATUS FOR THE SAME"

APPLICANT(S) : LINDE AKTIENGESELLSCHAFT  
OF ABRAHAM-LINCOLN-STRASSE 21  
D-65189 WIESBADEN, GERMANY  
A GERMAN COMPANY

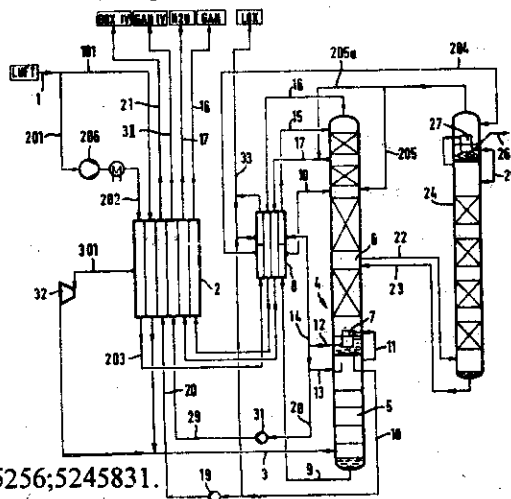
INVENTOR(S) : 1. GERHARD POMPL.

Application No. 1599/MAS/95 filed on 5-Dec-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003 ) PATENT OFFICE, CHENNAI BRANCH.

## 14 CLAIMS

A process for producing crude argon by low-temperature separation of air comprising: cooling a first stream of compressed and purified air, feeding said first stream to a main rectification system having at least one rectification column, wherein said first stream is separated into liquid oxygen and gaseous nitrogen; vaporizing a liquid product fraction in a first condenser-vaporizer by indirect heat exchange with a second stream of compressed and purified air; at least partially condensing said second stream by indirect heat exchange in said first condenser-vaporizer; feeding an argon-containing oxygen fraction removed from said main rectification system to a crude argon column and separating said argon-containing oxygen fraction into a vaporous crude argon stream and an oxygen rich residual liquid; liquefying said vaporous crude argon of said crude argon column by indirect heat exchange with said second stream downstream of said first condenser-vaporizer, whereby at least a portion of said second stream is vaporized in a second condenser-vaporizer; wherein all, of the refrigeration needed for liquefaction of crude argon is produced by vaporization of said second stream.



COMP.SPECN.: 20 PAGES DRAWING: 1 SHEET.

REFERENCE CITED: US: 501945; 5426946; 4871382; 4555256; 5245831.

DE-A- 4317916; 4406051.

EP-A-628777; 377177.

Ind.Cl.:206E LXII.

192694

Int. Cl.⁴: A21B 2/00, A21B 3/00

**"MICROWAVE OVEN DOOR".**

Applicant: DAEWOO ELECTRONICS CO. LTD  
541,5-GA,NAMDAEMOON-RO JUNG-KU,SEOUL  
(A KOREAN COMPANY) KOREA.

Inventors: 1.Byeong-Jun Kim; 2.Woo-Keum Jun;  
3.Won-Pyo Hong; 4.Sang-Jin Kim;  
5.Byung-Kap Lim; 6.Heung-Dae Kang;  
7.Jae Won Cho; 8.Yong-Soo Shin.

Application No1639/MAS/95. filed on 12-Dec-95.

Convention No. 95-30529. on18-Sep-95., KOREA.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003) , Patent Office, Chennai Branch.

**17. Claims**

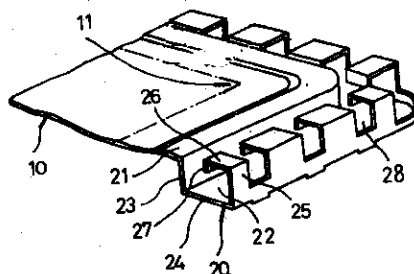
A microwave oven door, comprising:

a door screen having perforations for enabling one to recognize a cooked state of a food;  
a sealing surface for firstly shielding a microwave leakage, said sealing surface being formed around a peripheral region of said door screen, and said sealing surface being junctioned with an overall peripheral region of a front panel formed at an entrance of a cooking chamber of a microwave oven cavity; and

a door frame having a choke structure for secondarily shielding a microwave which has leaked between said sealing surface and said front panel said door frame being integrally formed by extending the sealing surface, and wherein

said choke structure comprises: a drawn side wall which is formed by bending from said sealing surface opposite to the said front panel, a lower choke wall which is formed by bending and extending outward from an end of said drawn side wall, an outer choke wall which is formed by bending and extending from an end of the lower choke wall toward said sealing surface, and an upper choke wall which is formed by bending and extending from an end of said outer choke wall toward said drawn side wall, and at least two discontinuous transmission paths from a first opening which is formed between the end of said upper choke wall and said drawn side wall are formed to form a microwave transmission path whose length is  $\frac{1}{4}\lambda_0$  wherein  $\lambda_0$  is a free space microwave wavelength.

Reference to : USA-4,645,892.



Comp.Specn. 29. Pages; Drgs 10. Sheets.

Ind. Cl. : 101 F 192695 -  
Int Cl<sup>4</sup> : E 02 B 3/14  
"FRUSTUM CON BLOCK"  
APPLICANT(S) : SYED ABDUL LATHEEF & SYED ABDUL HAFIZ.  
NO. 1, 13TH CROSS STREET,  
SASTRY NAGAR, ADYAR, CHENNAI 600 020.  
TAMILNADU, INDIA.  
INVENTOR(S) : 1. SYED ABDUL LATHEEF;  
2. SYED ABDUL HAFIZ.  
APPLICATION NO : filed on 1669 MAS 95 Filed on 18-Dec-95

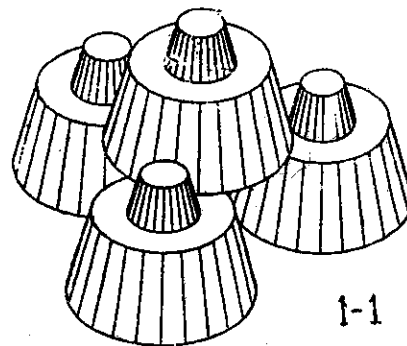
Complete Specification Left on 11-Dec-96

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

### 5 CLAIMS

A FRUSTUM CON BLOCK comprising of two concentric concrete frustum one broad based, bigger at the bottom, and one smaller on top with angular side slopes, four such frustum con blocks forming one unit and an assembly of multiple units forming a sloping honey combed perforated homogeneous interlocked structure to give a solid void ratio of at least 3:1 that can be varied, to dissipate and absorb wave energy and counter wave forces of any magnitude and direction for use in anti sea erosion and breakwater structures on shore and off shore.

PRO. SPECN: 4 PAGES DRAWING: 2 SHEETS.  
COMP.SPECN: 6 PAGES DRAWING: 6 SHEETS.



Ind.Cl.: 174 B 192696

Int. Cl.<sup>7</sup> : B 32 B - 25/10  
B 30 B - 15/06

"A CUSHIONING MATERIAL FOR FORMING PRESS"

APPLICANT(S) : YAMAUCHI CORPORATION  
A JAPANESE CORPORATION  
OF 2-7, SHODAI-TAJIKA  
HIRAKATA-SHI, OSAKA  
JAPAN.

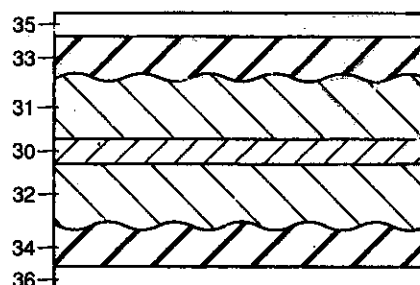
INVENTOR(S) : 1. ATSUO TANAKA  
2. AKIRA YOSHIDA

Application No. 1166/MAS/95 filed on 07-Sep-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.  
6 CLAIMS

A cushioning material for forming press, comprising, two or more fiber material layers (31, 32, 40, 50, 60 - 62, 60a - 62a, 60b - 62b, 70 - 72, 80, 83, 84, 83a, 84a, 83b, 84b, 91, 92, 91a, 92a, 91b, 92b, 102, 103, 102a, 103a, 102b, 103b); a bonding material layer (30, 41, 51, 53, 54, 63, 64, 73, 74, 81, 82, 90, 101) positioned between each of the fiber material layers for bonding upper and lower fiber material layers; an upper rubber layer (33, 42, 55, 65, 75, 85, 93, 104) positioned on an upper surface of uppermost said fiber material layer; a lower rubber layer (34, 43, 56, 66, 76, 86, 94, 105) positioned on a lower surface of lowermost said fiber material layer; an upper exudation preventing layer (35, 44, 57, 67, 77, 87, 95, 106) positioned on an upper surface of the upper layer (33, 42, 55, 65, 75, 85, 93, 104); to prevent exudation of a compounding agent contained in the upper rubber layer (33) and a lower exudation preventing layer (36, 45, 58, 68, 78, 88, 96, 107) positioned on a lower surface of the lower rubber layer (34, 43, 56, 66, 76, 86, 94, 105) to prevent exudation of a compounding agent contained in the lower rubber layer (34).

FIG.9



COMP. SPECN.: 44 PAGES DRAWINGS: 7 SHEETS.

Ind. Cl. : 129 M 192697  
 Int Cl<sup>4</sup> : B 21 D 22/02  
 B 41 F 13/12

"A STAMPING ROLLER FOR A STAMPING APPARATUS"

APPLICANT(S) : LEONHARD KURZ GMBH & CO  
 SCHWABACHER STRASSE 482  
 90763 FUERTH, GERMANY  
 A GERMAN COMPANY  
 AND  
 KOENIG & BAUER AG.  
 FRIEDRICH-KOENIG-STRASSE 4  
 97080 WURZBURG, GERMANY  
 A GERMAN COMPANY.

INVENTOR(S) : 1. REINWALD MITSAM;  
 2. JOHANNES GEORG SCHAEDE.

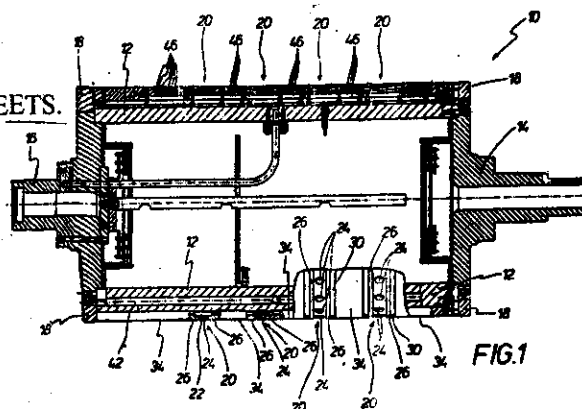
APPLICATION NO.: 1255 MAS 95 FILED ON 27-Sep-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
 (RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

6 CLAIMS

A stamping roller (10) for a stamping apparatus having a central main body (12) with stamping punch portions (24), wherein said stamping punch portions (24) being spaced from each other in a peripheral direction, and at least one punch ring (20) fixed to said main body (12), each of said at least one punch rings (20) containing spacer rings (26) at two mutually axially-spaced edge portions thereof for defined contact with at least one associated backing roller (28), and wherein said at least one punch ring (20) contains said stamping punch portions (24) between said spacer rings (26) wherein each of said at least one punch ring (20) has a first coefficient of thermal expansion and said main body (12) has a second coefficient of thermal expansion different from the first coefficient of thermal expansion such that each of said at least one punch ring (20) is mounted over said main body (12) is displaceable relative to said main body (12) at ambient temperature and at an elevated stamping operating temperature of said stamping roller (10), said punch ring (20) being securely fixed to said main body (12) and wherein said each punch ring (20) further comprises a heat insulating portion (36) between said lateral spacer rings (26) and between adjacent stamping punch portions (24), said stamping roller further comprising cover means (34) laterally adjoining each punch ring.

COMP.SPECN: 13 PAGES DRAWING: 4 SHEETS.  
 REFERENCE CITED: DE 3210551 C2



Ind.Cl.:120B2 LIV(2).

192698

Int. Cl.: F01M 1/06

**"AN INTERNAL COMBUSTION ENGINE".**

Applicant: Yamaha Hatsudoki Kabushiki Kaisha of 2500,  
Shingai, Iwata-Shi, Shizuoka, a Japanese Company  
JAPAN.

Inventors: 1. JUN TAUE.

Application No I 532/MAS/95. filed on 24-Nov-95.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

**10. Claims**

An internal combustion engine comprising a cylinder block, cylinder head assembly defining a cylinder bore, a piston reciprocating in said cylinder bore and forming a combustion chamber at one end of said cylinder bore, a crankcase chamber formed at the other end of said cylinder bore and containing a rotatably journaled crankshaft, a connecting rod for connecting said piston to said crankshaft for driving said crankshaft upon reciprocation of said piston, said connecting rod, said piston and said crankcase chamber being formed so that said crankcase chamber functions as a compressor as said piston reciprocates in said cylinder bore, said crankcase chamber forming a portion of an induction system for delivering atmospheric air under pressure to said combustion chamber, said induction system comprising in addition to said crankcase chamber and atmospheric air inlet for supplying atmospheric air to said crankcase chamber and a pressure air conduit for communicating compressed air to said combustion chamber through a poppet type intake valve reciprocally supported in said cylinder head, a valve actuating mechanism contained within said cylinder head for effecting opening and closing of said poppet type intake valve, a timing drive for driving the valve actuating mechanism in timed relationship to said crankshaft, a first lubricating system for delivering lubricant from a first lubricant reservoir to said cylinder head for lubricating said valve actuating mechanism, return means for returning lubricant from said engine to said first lubricant reservoir; said first lubricant reservoir containing a first type of lubricant for lubricating said engine, a second lubricant reservoir, means for delivering lubricant from said second lubricant reservoir to said engine through said crankcase chamber for lubricating components contained therein, said second lubricant reservoir containing a lubricant different from the lubricant contained in said first lubricant reservoir.

Reference to USA 5,377,634.

Comp.Specn. 22. Pages; Drgs 6. Sheets.

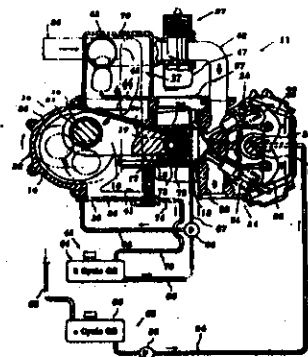


Figure 1



Ind.Cl.:40F.

192699

Int.Cl<sup>4</sup>:G05B 13/02; 13/04**"A PROCESS CONTROL LOOP"**

Applicant: FISHER-ROSEMOUNT SYSTEMS, INC  
A DELAWARE CORPORATION,  
8301 CAMERON ROAD, AUSTIN, TEXAS 78754, U.S.A.

Inventors: 1. WILHELM K. WOJSZNIS.

Application No 1362/MAS/95. filed on 20-Oct-95

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Chennai Branch.

**8. Claims**

The process control loop having a controller (44) coupled to control a process (46), wherein the controller(44) has a controller output for providing a control signal and a controller input for receiving an error signal, and the process (46) has a process input for controlling a process variable, with the process input coupled to the controller output to receive the control signal, and a process output for providing a process output signal representative of the process variable characterized in that: a variable predictor (41) is coupled between the controller and the process (46) the variable horizon predictor comprising a process model (48) having a model input coupled to the controller output to receive the control signal and a model response output for providing a model response signal based on the control signal; a prediction vector unit (51) having a prediction vector output for providing a prediction vector and model response input coupled to the model response output of the process model (48) to receive the model response signal, wherein the prediction vector comprises predicted future values of the process output signal; a horizon selection unit (54) having a prediction subvector output for providing a selected subvector of the prediction vector and a prediction vector input coupled to the prediction vector, output of the prediction vector unit to receive the prediction vector, wherein the horizon selection unit selects a prediction subvector from the prediction vector; and an error scalar/vector calculator (58) having an error signal output coupled to the controller input and a subvector input coupled to the subvector output of the horizon selection unit (54) to receive the vector wherein the error scalar/vector calculator (58) produces an error signal based on a set point signal and the prediction subvector.

Reference to : US 5347446; 5351184; 5424942.

Comp.Specn. 32. Pages; Drgs 5. Sheets.

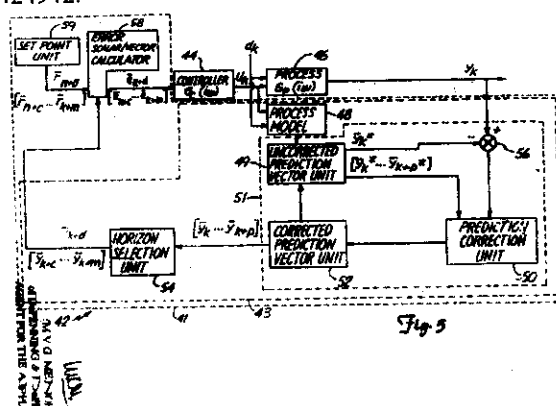


Fig. 5

Ind. Cl. :

40 H

192700

Int. Cl.<sup>4</sup> :

B 01 D 053/00

"AN APPARATUS FOR TREATING WASTE GASES"

APPLICANT(S) :

EBARA CORPORATION, A JAPANESE  
BODY CORPORATE OF 11-1, HANEDA  
ASAHI-CHO, OHTA-KU, TOKYO, JAPAN,  
A JAPANESE COMPANY

INVENTOR(S) :

1. OKIHIRO TOKUNAGA;  
2. HIDEKI NAMBA;  
3. TADASHI TANAKA;  
4. YOSHIMI OGURA;  
5. YOSHITAKA DOI;  
6. MASAHIRO IZUTSU;  
7. SHINJI AOKI.

APPLICATION NO. :

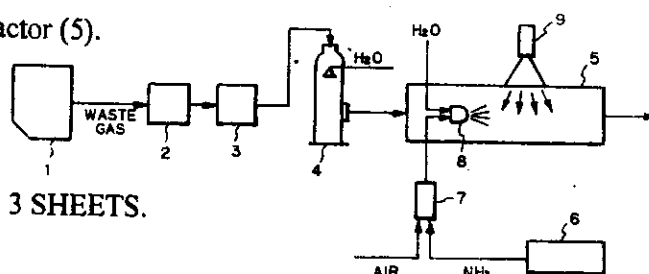
1609/MAS/95

filed on 06-Dec-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
(RULE 4, PATENTS RULES, 2003), PATENT OFFICE, CHENNAI BRANCH.

## 2 CLAIMS

An apparatus for treating waste gases by exposing to electron beams comprising a reactor (5) with means for introducing waste gases into the said reactor, a mixer (7) for uniformly mixing ammonia gas and air, two fluid - nozzle (8) having a gas - liquid mixing compartment (12) for mixing a uniform gaseous mixture of ammonia gas and air with water to form a homogeneous gas - liquid mixture and spraying it into the said reactor (5) maintaining the ratio of water to gaseous mixture in the homogeneous gas - liquid mixture within the range from 0.1 - 20 L/m<sup>3</sup> and an electron beam generator (9) for exposing electron beam to the contents in the said reactor (5).



COMP.SPECN: 13 PAGES DRAWING: 3 SHEETS.

IND. CL. : 170 D 192701

INT. CL. : C 11 D 17/00

TITLE : IMPROVED SOLID DETERGENT COMPOSITION.

APPLICANT : HINDUSTAN LEVER LTD.  
HINDUSTAN LEVER HOUSE,  
165/166 BACKBAY RECLAMATION,  
MUMBAI- 400 020.  
MAHARASHTRA, INDIA.  
AN INDIAN CO.

INVENTORS : 1 PULLIMUDALIAR  
SIDHESWARAN.  
2. DEVADATTA SHIVAJI  
SANKHOLKAR.

INTERNATIONAL : -----  
APPLICATION NO.

INDIAN : 782 BOM 1998 DATED 02/12/1998  
APPLICATION NO.

COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION  
DATED 29.11.1999

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES- 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

**09 CLAIMS**

- 1) A solid hand dish wash composition comprising:
  - a) a cold water soluble, branched hydrocolloid with a viscosity of less than 10,000 mPa.s in water at 1.5% wt. At 25°C, and
  - b) 40% wt. Or less of a detergent active.

Provisional Specification : 17 Pages  
Complete Specification : 18 Pages

Drawings : Nil Sheets  
Drawings : Nil Sheets

IND. CL. : 50 A (VII (1)) 192702

INT. CL. : H 05 K 5/00

TITLE : A PORTABLE FREEZER CABINET.

APPLICANT : HINDUSTAN LEVER LIMITED.,  
HINDUSTAN LEVER HOUSE,  
165/166 BACKBAY RECLAMATION,  
MUMBAI- 400 020.  
MAHARASHTRA. INDIA.  
AN INDIAN CO.

INVENTORS 1. RUSI GOVERNOR.  
2. MUNGARA VENKATESWARA RAO

INTERNATIONAL : ---  
APPLICATION NO.

INDIAN : 749/BOM/1998 DATED 24/11/1998  
APPLICATION NO.

**COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION  
DATED 22/11/1999**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003) PATENT OFFICE BRANCH, MUMBAI - 13.**

**05 CLAIMS**

1) A portable freezer cabinet comprising, an insulated outer shell (2) defining an inner space (3) and, removably mounted within said shell, carrier means (10) for a eutectic medium; said carrier means (10) being so disposed as to divide said inner space (3) into a plurality of regions (8, 8a, 8b) for the storage of goods; further comprising bracket means for mounting carrier means (10) for a eutectic medium along the inner walls of the shell.

**Provisional Specification : 07 Pages**  
**Complete Specification : 08 Pages**

**Drawings : 01 Sheets**  
**Drawings : 01 Sheets**

IND. CL. : 69 B 192703

INT. CL. : G 09 G - 003/36

TITLE : AN ELECTRO-THERMAL CONTROL DEVICE.

APPLICANT : SURENDRA H. SHAH, 15-B THACKER  
ESTATE, N.M.JOSHI MARG, MUMBAI 400 011,  
MAHARASHTRA, INDIA. AN INDIAN NATIONAL.

INVENTORS : IDEM

INTERNATIONAL : -----  
APPLICATION NO.

INDIAN : 723/BOM/1998 DATED 18/11/1998  
APPLICATION NO.

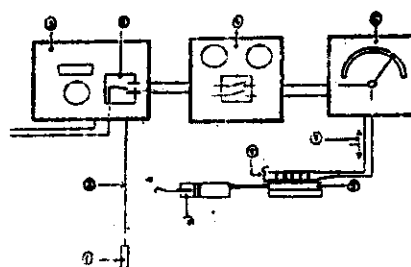
**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**06 CLAIMS**

1) An Electro-thermal Control Device comprising a Sensor (1) connected to a Controller (3) via Sensor Line (2), the said Controller (3) having a plurality of set points and each operating Relay (4), the output of the said Relays connected to a Variable D.C. Power Supply (6) through a Timer (5), an Output Current (7) adjusted in response to the signal from the said timer is fed to a Peltier Chip (8), which operationally is a mechanical transducer (9) by keeping in direct thermal communication with one side of the said Peltier Chip (8) to provide mechanical motion in proportion to the magnitude and direction of current in the said Peltier Chip (8).

Complete Specification : 09 Pages

Drawings : 03 Sheets



IND. CL. : 32 C 192704

INT. CL. : C 07 K-3/10

TITLE : A PROCESS FOR THE PREPARATION OF PEPTONE FROM COTTONSEED MEAL BY ENZYMATIC HYDROLYSIS.

APPLICANT : CENTRAL INSTITUTE FOR RESEARCH ON COTTON TECHNOLOGY, ADENWALA ROAD, MATUNGA, MUMBAI 400 019, MAHARASHTRA, INDIA. AN INDIAN INSTITUTE.

INVENTORS : (1) DR. SHAILA PRAKASH BHATAWDEKAR  
(2) DR. RUDRAPATNA HIRIYANNAIAH  
BALASUBRAMANYA

INTERNATIONAL : -----  
APPLICATION NO.

INDIAN : 569/BOM/1998 DATED 08/09/1998  
APPLICATION NO.

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**01 CLAIMS**

- 1) A process for the preparation of peptone from cottonseed meal by enzymatic hydrolysis comprising the following steps;
- autoclaving 75 gms of defatted cottonseed meal for 15 minutes at  $121^{\circ}\text{C}$  to sterilize the meal,
  - treating autoclaved meal of step a, with 0.06% sodium hydroxide for one hour at room temperature to swell the meal,
  - adjusting the pH of the alkali treated meal of step b, to 8.0,
  - subjecting the meal of step c, to enzymatic hydrolysis with 0.2% pancreatin at  $50^{\circ}\text{C}$  for 5 hours under continuous agitation,
  - treating the hydrolysed meal of step d, by another proteolytic enzyme papain at 0.5% concentration at pH 6.5 for 13 hours at  $50^{\circ}\text{C}$ ,
  - centrifuging the contents of step e, after 18 hours hydrolysis at 10,000 rpm for 15 minutes to collect the clear supernatant,
  - treating the residue of step f, twice with hot water to extract all the hydrolysed protein,
  - pooling filtrates collected in step f and g,
  - concentrating the filtrate of step h, at  $70^{\circ}\text{C}$  for 24 hours to get thick syrup,
  - and finally drying the syrup from step i, under vacuum to obtain protein hydrolysates (peptones) in powder form.

Complete Specification : 04 Pages

Drawings : Nil Sheets

**IND. CL.** : 68 C 192705

**INT. CL.** : F 02 M 037/04

**TITLE** : AN IMPROVED SOLENOID

**APPLICANT** : RITESH HARISHCHANDRA KOLTE  
870/2B, BHANDARKAR INSTITUTE ROAD  
PUNE - 411 004, MAHARASHTRA, INDIA.  
AN INDIAN CITIZEN.

**INVENTORS** : IDEM

**INTERNATIONAL :  
APPLICATION NO.** : ----

**INDIAN :  
APPLICATION NO.** : 831/BOM/1998 DATED 24/12/1998

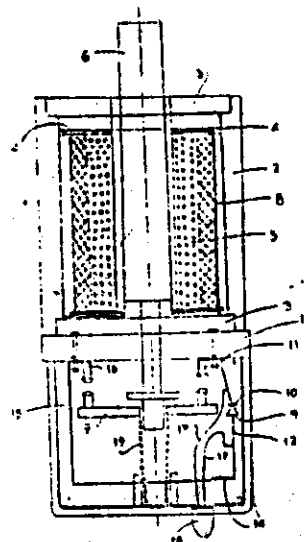
**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES : 2003) PATENT OFFICE BRANCH, MUMBAI - 13.**

**01 CLAIMS**

- 1) The improved solenoid comprising energised coil and hold coil with a movable plunger; the said energised coil having pair of fixed contact making normally contact with the moving contact provided on the plunger; the said fixed contacts is provided with reverse biased diode with a resistance in series and a pair of leads across the terminals of said diode extended audio/visual indicator such as buzzer and /or LED indicator.

**Complete Specification : 06 Pages**

**Drawings : 01 Sheets**



IND. CL. : 170 D 192706

INT. CL. : C 11 D 3/00

TITLE : IMPROVED DETERGENT BAR COMPOSITION

APPLICANT : HINDUSTAN LEVER LIMITED,  
HINDUSTAN LEVER HOUSE,  
165/166, BACKBAY RECLAMATION,  
MUMBAI 400 020, MAHARASHTRA, INDIA  
AN INDIAN COMPANY

INVENTORS : 1) SATISH KUMAR GOEL  
2) VINODKUMAR RAMNIRANJAN DHANUKA

INTERNATIONAL :  
APPLICATION NO. ---

INDIAN : 803/BOM/1998 DATED 10/12/1998  
APPLICATION NO.

COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION  
DATED 08/12/1999

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 08 CLAIMS

- 1) A low pH synergistic detergent bar composition having a pH in 1% solution in water at 25° C of from 4 to 7.0 comprising :
- i. A surfactant system in an amount of 5 to 50% by wt. of the total composition, said surfactant system comprising 40 to 100% by wt. of the surfactant system of at least one non-ionic surfactant selected from fatty alcohol ethoxylate with Ethylene Oxide (EO) of levels EO3 to EO20, in combination with or without an anionic surfactant;
  - ii. from 10 to 70% by wt. of a structurant;
  - iii. from 5 to 35% by wt. of a pH regulating agent, preferably selected from inorganic acids, organic acids, salts thereof and mixtures of such materials;
  - iv. from 0 to 50% by wt. of at least one inorganic salt, preferably selected from sodium sulphate, sodium chloride and sodium carbonate.

Provisional Specification : 11 Pages  
Complete Specification : 13 Pages

Drawings : 02 Sheets  
Drawings : 02 Sheets



IND. CL. : 55 (F) 192707

INT. CL. : A 61 K 48/00  
C 07 K 14/00

TITLE : A PROCESS FOR THE PREPARATION OF ANTISERA OF  
PROTEIN NAMED Pv2 FOR DETECTION OF MALARIA

APPLICANT : DEPARTMENT OF ATOMIC ENERGY,  
GOVT.OF INDIA, ANUSHAKTI BHAVAN,  
CHATRAPATI SHIVAJI MAHARAJ MARG,  
MUMBAI 400 039, MAHARASHTRA, INDIA

INVENTORS : 1. SHOBHONA SHARMA  
2. MRINAL KANTI BHATTACHARYYA

INTERNATIONAL : —  
APPLICATION NO.

INDIAN : 729/BOM/1998 DATED 20/11/1998  
APPLICATION NO.

COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION  
DATED : 21/02/2000

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES, 2003) PATENT OFFICE BRANCH, MUMBAI - 13.

### 02 CLAIMS

- 3) A process for the preparation of antisera of Pv2 of the partial structure glu-phe-leu-tyr-tyr-tyr-val-cys-lys-leu-met-asn-ile-lys-phe-phe-glu-asp-lys-asn-ile-lys-leu-gly-lys-cys-leu-leu-his-leu-leu-his-asp-pro-ile-gln-tyr-leu-lys-phe-leu-leu-val for use in the diagnosis of malaria caused by Plasmodium vivax comprising emulsifying the protein with an adjuvant such as Freund's adjuvant, immunising test animals with the emulsion, collecting blood from the animals, clotting the blood and separating the antisera from the clotted blood by centrifugation.

Provisional Specification : 18 Pages  
Complete Specification : 20 Pages

Drawings : Nil Sheets  
Drawings : Nil Sheets

**IND. CL.** : 151 C **192708**

**INT. CL.** : F 02 C -- 001/06  
F 02 C -- 007/08

**TITLE** : AN IMPROVED OIL GUN WITH FLEXIBLE HOSES MOUNTED IN A STATIONARY GUIDE FOR USE IN BOILERS OR STEAM GENERATING UNITS OF THERMAL POWER STATIONS.

**APPLICANT** : ABHAY VISHWAS RANADE,  
RATNAGIRI BUILDING, 104, EAST HIGH COURT  
ROAD, RAMDASPETH NAGPUR-440010, MAHARASHTRA, STATE  
INDIA. INDIAN NATIONAL.

**INVENTORS** : IDEM

**INTERNATIONAL APPLICATION NO.** : -----

**INDIAN APPLICATION NO.** : 588/BOM/1998 DATED 16/09/1998

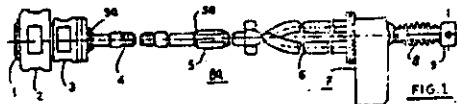
**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003) , PATENT OFFICE BRANCH, MUMBAI - 13.**

#### **02 CLAIMS**

1) An improved oil gun with flexible hoses mounted in a stationary guide, for use in boilers or steam generating units of thermal power stations, comprising flexible hose assembly having from nozzle body provided with tapped holes for fitting the hoses and another set of tapped holes for fixing chain links; the front end of the said hose having end fittings which are screwed into the said threaded tapped holes, the rear end of the hose is slid into modified rear nozzle body and locked in position by means of a nut ferrule assembly; the said rear nozzle body having through holes through which the other end of chain fixed with the help of nuts after keeping suitable slack in the hose to facilitate easy replacement of hoses at site; the said hose with front nozzle body with chain links mounted in the stationery guide consisting of front diffuser flexible guide hose, barrel pipe, a collect type arrangement with boiler mounting flange provided with insulation to receive barrel pipe, the said flexible guide hose between the diffuser and barrel pipe is connected by means of female swivel nuts and the said diffuser is having extension levers for length adjustment.

**Complete Specification : 07 Pages**

**Drawings : 01 Sheets**



IND. CL. : 54 [ XIV (3) ] 192709

INT. CL. : G 11 B - 20 / 22.

TITLE : BREWING APPARATUS FOR MAKING TEA.

APPLICANT : HINDUSTAN LEVER LIMITED,  
HINDUSTAN LEVER HOUSE,  
165/166 BACKBAY RECLAMATION,  
MUMBAI- 400 020.  
MAHARASHTRA, INDIA.

INVENTORS : 1) MAURO DOMINICK MORDINI  
2) JOSEPH VAITKUS  
3) ADRIAN PONICI

INTERNATIONAL : -----  
APPLICATION NO.

INDIAN : 556/BOM/1998 DATED 01/09/1998  
APPLICATION NO.

PRIORITY NO. : 60/056030 (33) U.S.A. (32) 02/09/1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENT'S  
RULES 2003) , PATENT OFFICE BRANCH II, MUMBAI - 13.

### **20 CLAIMS**

I) A brewing apparatus comprising:

A housing;

A water inlet channel within the housing;

A heater within the housing to heat water delivered through the inlet channel;

A water dispenser within the housing communicating with and dispensing water from the inlet channels

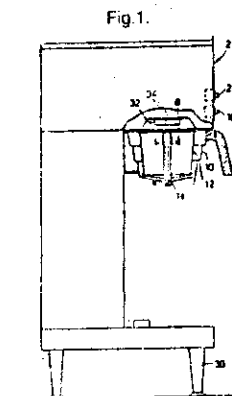
A filter receptacle positioned to receive water from the water dispenser and having an outlet aperture;

A filter basket removably nested within the filter receptacle for containing tea leaves, the basket including a base with an at least partially porous floor and a non-porous siphon shroud formed in the base projecting orthogonally upwards from a central area of the floor; and

A siphoning tube open at both ends, communicating with the aperture of the filter receptacle.

Complete Specification : 14 Pages

Drawings : 05 Sheets



IND. CL. : 189 (LVI (9)) 192710

INT. CL. : A 45 D – 34/00

TITLE : A FABRIC TREATMENT COMPOSITION.

APPLICANT : HINDUSTAN LEVER LTD.  
HINDUSTAN LEVER HOUSE,  
165/166 BACKBAY RECLAMATION,  
MUMBAI- 400 020.  
MAHARASHTRA, INDIA.  
AN INDIAN CO.

INVENTORS : 1. KEITH DOUGLAS PERRING  
2. CHRISTOPHER FRANCIS CLEMENTS  
3. ANGUS PETER MACMASTER  
4. CHARLES LAROCHE

INTERNATIONAL : -----  
APPLICATION NO.

INDIAN : 647/BOM/1998 DATED 07/10/1998  
APPLICATION NO.

PRIORITY NO. : 9721586.7 (33) G.B. (32) 10.10.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES-2003), PATENT OFFICE BRANCH, MUMBAI - 13.

#### 06 CLAIMS

- 1) A fabric treatment composition which comprises a perfume composition which is a mixture of fragrance materials which deposits preferentially on spandex fibres, wherein the perfume composition contains at least 50% by weight in total of the perfume composition of fragrance materials selected from both of categories A and B:
- Category A) hydroxylic materials which are alcohols, phenols or salicylates, with an octanol/water partition coefficient (P) whose common logarithm ( $\log_{10} P$ ) is 2.5 to 6.4 or determined on polydimethylsiloxane as non-polar stationary phase) of 1050 to 1600, and
- Category B) esters, ethers, nitriles, ketones or aldehydes, with an octanol/water partition coefficient (P) whose common logarithm ( $\log_{10} P$ ) is 2.5 to 6.4 and a gas chromatographic Kovats index (as determined on polydimethylsiloxane as non-polar stationary phase) of 1300 to 1600.

Complete Specification : 38 Pages

Drawings : Nil Sheets

IND. CL. : 32 F1 192711

INT. CL. : A61 K 31/195

TITLE : A NOVEL METHOD OF PREPARATION OF DICLOFENAC INJECTION.

APPLICANT & INVENTORS : KETAN RAJNIBHAI PATEL &  
MILAN RAJNIBHAI PATEL  
12, NANDIHILL, OPP. ISRO STATION,  
SATELLITE ROAD,  
AHMEDABAD – 380 015. GUJARAT.  
INDIA, BOTH INDIA NATIONALITY.

INTERNATIONAL APPLICATION NO : —

INDIAN APPLICATION NO. : 57/MUM/2002. DATED 22/01/2002.

PRIORITY NO. : —

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES, 2003) PATENT OFFICE BRANCH, MUMBAI - 13.

### 10 CLAIMS

The method of preparation of Diclofenac injection comprises mixing of 0.5% to 3.5% water (solvent) soluble salt of Diclofenac with 4% to 6% Benzyl Alcohol, under nitrogen gassing along with stabilizers, antioxidants and suitable buffers/alkalis such as NaOH to maintain the pH range 8.1 to 9.0.

Complete specification: 17 pages

Drawings 10 sheets

**IND. CL.** : 174 A **192712**  
**INT. CL.** : G 01 G 11/14  
**TITLE** : APPARATUS FOR DAMPING TORSIONAL VIBRATIONS.  
**APPLICANT** : LUK LAMELLEN UND KUPPLUNGSBAU BETEILIGUNGS  
 KG OF 77813 BUHL/BADEN, GERMANY,  
 GERMAN COMPANY.  
**INVENTORS** : 1. DR. WOLEGANG REIK.  
 2. JOHANN JACKEL.  
 3. HARTMUT MENDE.  
**INTERNATIONAL : APPLICATION NO.** : —  
**INDIAN APPLICATION NO.** : 312/MUM/2002 DATED 01/04/2002  
 DIVISIONAL TO 484/BOM/1998 DT. 28.07.1998  
**PRIORITY NO.** : 197337216 DATED 04/08/1997 OF GERMANY

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
 RULES 2003) PATENT OFFICE BRANCH, MUMBAI - 13.**

### 13 CLAIMS

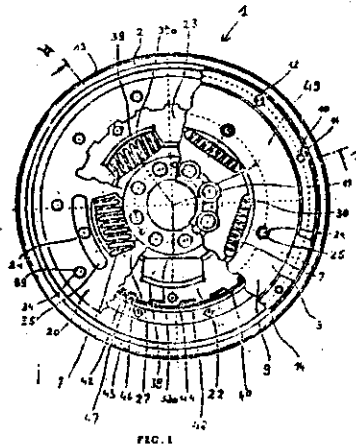
1) Apparatus for damping torsional vibrations, comprising:

input and output members arranged to carry out rotary movements with and relative to each other;

at least one damper operating between and arranged to oppose at least some rotary movements of said members relative to each other, said damper comprising at least one energy storing device.

**Complete Specification : 116 Pages**

**Drawings : 12 Sheets**



**IND. CL.** : 189 192713

**INT. CL.** : A 61 K -7/ 6 , 7/11

**TITLE** : A SINGLE PHASE AUTOPHOBIC AEROSOL HAIRSPRAY COMPOSITION.

**APPLICANT** : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI 400 020, MAHARASHTRA, INDIA. AN INDIAN COMPANY

**INVENTORS** : 1. MELANIE RUTH ASHTON  
2. LLYR GLYNDWR GRIFFITHS  
3. ANTHONY MORETTA

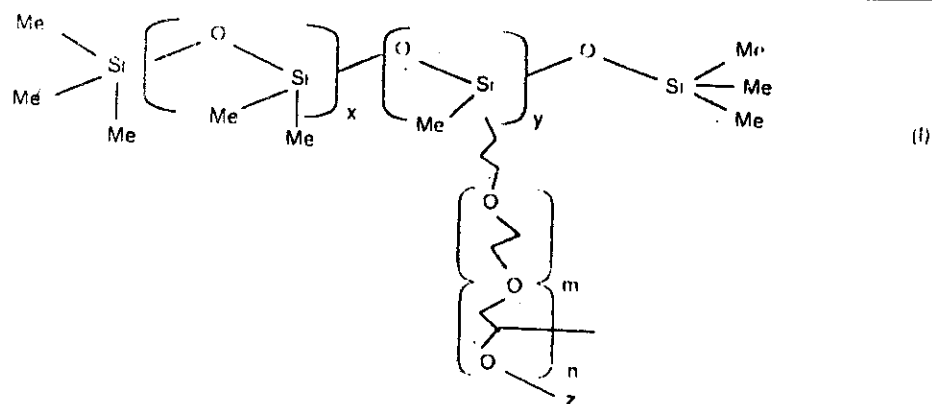
**INDIAN APPLICATION NO.** : 189 BOM 1999 DATED 17.03.1999

**PRIORITY NO.** : 9806295.3 DATED 24.03.1998 OF U.K.

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003) , PATENT OFFICE BRANCH, MUMBAI - 13.**

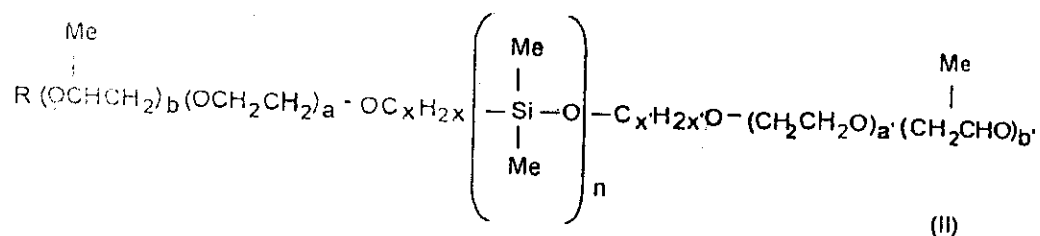
### **07 CLAIMS**

1. A single phase autophobic aerosol hairspray composition comprising
  - a. 0.5% to 10% by weight of a film-forming hairspray resin,
  - b. 10 to 60% by weight of a mixed propellant system consisting of (C<sub>1</sub>-C<sub>4</sub> alkyl ether) and a C<sub>3</sub>-C<sub>5</sub> alkane selected from the group consisting of propane, isobutene, n-butane, and mixtures thereof,
  - c. 0.01% to 1.0% by weight of an autophobic hairspray additive, selected from the group consisting of
    - (i) alkyl-pendant silicone copolyols of formula (I).



where m and n are integers of from 0 to 50, and x and y are integers chosen to give the copolyol a molecular weight of at least 600; z is hydrogen or a C1-4 alkyl radical; wherein Me stands for methyl;

(ii) dimethicone copolyols of formula (II)

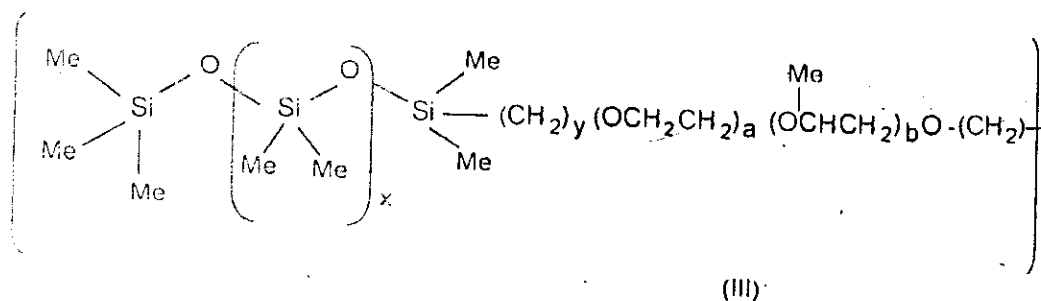


where n is an integer chosen to give the copolyol a molecular weight of at least 600;

x and x' are integers of from 1 to 12;

a, a', b, b' are integers of from 0 to 50, R is hydrogen or a C1-4 alkyl radical; and wherein Me stands for methyl;

(iii) polydimethicone copolyols of formula (III):





where x and n are integers chosen to give the copolyol a molecular weight of at least 500 ;

y is an integer of from 1 to 12, and

a and b are integers of from 0 to 50 ; and wherein Me stands for methyl.

(iv) alkyl ethoxylates ; and

(v) fluorosurfactants

which imparts autophobic behaviour to the hairspray composition

and

d 10% to 25% by weight water

IND. CL. : XXV(3) 192714

INT. CL. : C 23 C - 16/06

TITLE : GEM STONE (PORTRAIT)

APPLICANT : WINTER CVD-TECHNIK GMBH OF KÖNIGGRATZSTRASSE  
14, 22609 HAMBURG, GERMANY, GERMAN COMPANY.

INVENTORS : 1 THORSTEN MATTHIEE  
2. LOTHAR SCHAFFER  
3. ERNST MICHAEL WINTER

INTERNATIONAL APPLICATION NO. -----DATED-----

INDIAN APPLICATION NO. : 287 BOM 1999 FILED ON 16.04.1999

PRIORITY NO. : 29807331.5 DATED 23.04.1998  
29817072.8 DATED 23.09.1998  
29817487.1 DATED 01.10.1998  
29820230.1 DATED 12.11.1998 OF GERMANY.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,  
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 11 CLAIMS

Gemstone characterized by at least one visible surface (1) as carrier of a structured material layers (5) and a metal layer as a bonding agent (4) between the visible surface (1) and the material layer (5), characterized by the fact that its body consists of a diamond layer (3) produced according to the CVD process, as a carrier of the material layer

Comp. seen.: 6 pages

Drawings : 01 sheet

**IND. CL.** : 104 J 192715

**INT. CL.** : C 08 L 97/02  
B 27 N 3/02, 3/04  
B 28 B 1/42, 1/14, 1/08

**TITLE** : A PROCESS OF MANUFACTURING ARTIFICIAL WOOD.

**APPLICANT & INVENTOR.** : VIRENDRA NARANDAS THAKKAR,  
SHAYAM BHAVAN, MATHURA ROAD,  
KANDIVALI (W), MUMBAI - 400 067,  
MAHARASHTRA, INDIA, INDIAN NATIONAL.

**INTERNATIONAL APPLICATION NO** : \_\_\_\_\_

**INDIAN APPLICATION NO.** : 351 BOM 1999 DATED 10.05.1999

**PRIORITY NO.** : \_\_\_\_\_

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

### **6 CLAIMS**

A process of manufacturing artificial wood comprising the following steps :

- i. Mixing ingredients such as magnesium chloride (10-30%) magnesia (20-40%), asbestos powder (5 - 8%)/ fibre vegetables fibres such as coir and/or jute (10-20%), saw dust (30%), colored soil (5%), potassium permanganate (0.1 - 1%), urea powder, with or without steel wire/wire rope or steel rods ribs of bamboos, small wooden pieces in suitable proportion as per the desired end product;
- ii. Pulverising the above ingredients and soaking in water to make a paste of desired consistency;
- iii. The resultant paste of step (ii) is then put or poured in the mould as per the end product required;
- iv. Vibrating the mould for setting the product uniformity for a better compactness/adhesion;
- v. Air drying the mould for a required time (2-3 hrs) as per the specification of the end product;
- vi. De-moulding the cast and finishing the end product and stacking for packaging and loading.

**Comp.specn.: 11 pages**

**Drawings - NIL - sheets**

IND. CL. : 170 D 192716

INT. CL. : C 11 D - 7/00

TITLE : IMPROVED DETERGENT BAR COMPOSITION AND A  
PROCESS FOR MANUFACTURE

APPLICANT : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE,  
165/166 BACKBAY RECLAMATION, MUMBAI 400 020,  
MAHARASHTRA, INDIA. AN INDIAN COMPANY.

INVENTORS : 1) DHANUKA RAMNIRANJAN VINODKUMAR  
2) MIHASKAR YESHIWANT SUDHAKAR  
3) PACHA ESMAIL FAKHRUDDIN

INTERNATIONAL : -----DATED-----  
APPLICATION NO

INDIAN : 906/BOM/1999 DATED 08.12.1999  
APPLICATION NO. Complete specification filed after provisional specification on  
7.12.2000

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS. (RULE 4,  
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 15 CLAIMS

A detergent bar composition for fabric washing comprising:

- i. 5-60% by weight non-soap surfactants;
- ii. 0.5-30% crystalline aluminum hydroxide (Alumina)
- iii. 8-25% water and other liquid benefit agents;
- iv. 1-40% detergency builders;
- v. 5-75% inorganic particulates

Prov. Specn : 16 pages  
Comp.specn : 20 pages

Drawings: NIL  
Drawings: NIL

IND. CL. : 170 D

192717

INT. CL. : C 11 D 13/14

TITLE : PROCESS FOR MANUFACTURING A SOAP CONTAINING  
DETERGENT COMPOSITIONAPPLICANT : HINDUSTAN LEVER LIMITED,  
HINDUSTAN LEVER HOUSE, 165/166  
BACKBAY RECLAMATION, MUMBAI - 400 020  
MAHARASHTRA, INDIA. AN INDIAN COMPANYINVENTOR : 1. CAFÉ CHRISTOPHER MICHAEL.  
2. SINGH PAUL AMRAT  
3. WILSON JOHN WILLIAM.

INTERNATIONAL : -----

APPLICATION NO

INDIAN : 415 BOM 1999 DATED 04.06.1999

APPLICATION NO.

~~COMPLETE SPECIFICATION FILED AFTER PROVISIONAL LEFT ON 03.01.2000~~

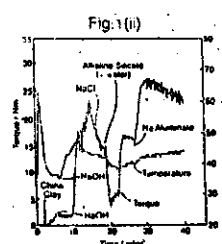
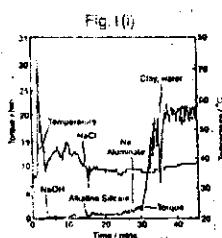
PRIORITY NO. : GB 98/2685.7 DATED 08.06.1998 OF U.K.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,  
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**12 CLAIMS**

A process for manufacturing a soap containing detergent composition in shaped solid form, comprising the steps of forming a mixture comprising oil and/or fat such as herein described and a solid, substantially water insoluble component, such as herein described, thereafter adding neutralizing agent to the mixture to saponify the oil and/or fat in the mixture and then further processing the saponified mixture into shaped solid form.

Comp.specn.: 25 pages

Drawings - 2 - sheets



IND. CL. : 120 B 5 192718

INT. CL. : C 10 M 001/10

TITLE : LUBRICANT COMPOSITION FOR COLD WORKING OF METALLIC MATERIAL.

APPLICANT : NIHON PARKERIZING CO. LTD.,  
15-1, NIHONBASHI 1-CHOME,  
CHUO-KU, TOKYO, JAPAN,  
JAPANESE COMPANY.

INVENTOR : I. YASUO IWAI

INTERNATIONAL APPLICATION NO : -----

INDIAN APPLICATION NO : 412 BOM 1998 DATED 03.06.1999

PRIORITY NO. : 10-176602 DATED 09.06.1999 OF JAPAN.

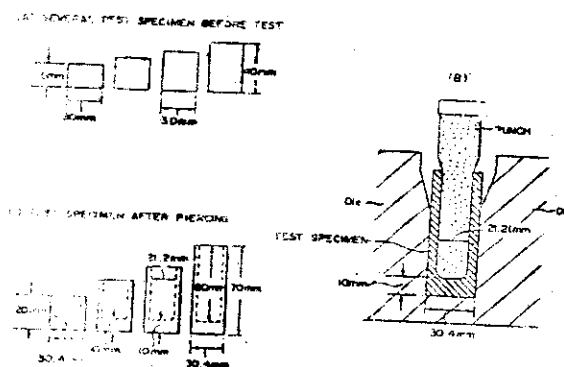
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 7 CLAIMS

Lubricant composition for cold working of metallic materials containing (A) synthetic resin and (B) water soluble inorganic salt, wherein (B)/(A) in weight as solid component ranges from 0.25/1 to 9/1 and the synthetic resin is dissolved and /or dispersed therein.

Comp.speccn.: 23 pages

Drawings - 1 - sheet



IND. CL. : I28 C 192718

INT. CL. : H04 B012/04

TITLE : DEVICE FOR DETECTION AND ACQUISITION OF SPATIALLY AND TEMPORALLY PATTERNED SIGNALS FROM ORAL SURFACE.

APPLICANT : TATA INSTITUTE OF RESEARCH.  
HOMI BHABHA ROAD,  
MUMBAI - 400 095.  
MAHARASHTRA, INDIA, AN INDIAN AUTONOMOUS INSTITUTION  
UNDER THE PURVIEW OF DEPTT. OF ATOMIC ENERGY, GOVT. OF INDIA.

INVENTORS : DR. UPINDER SINGH BHALLA

INTERNATIONAL :  
APPLICATION NO. -----

INDIAN : 127/BOM/1999 DATED 24/02/1999  
APPLICATION NO.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003) PATENT OFFICE BRANCH, MUMBAI - 13.

### 13 CLAIMS

- 1) Device for detection and acquisition of spatially and temporally patterned signals from oral surface comprising a transduction unit comprising a plurality of transducing elements located on a biocompatible electrically non-conducting material basal support provided with anchoring means to removably fix the basal support to the oral surface, a signal amplifying and conditioning unit connected to the transducing elements, an encoder unit connected to the signal amplifying and conditioning unit, a transmitter unit connected to the encoder unit, a receiver unit connected to the transmitter unit, a decoder unit connected to the receiver unit and a computational connected to the decoder unit and to an output unit through an output interface unit.



FIG 1

Complete Specification : 15 Pages

Drawings : 01 Sheets

IND. CL. : 129 G 192720

INT. CL. : H01B 007/00

TITLE : A NEW ENAMELING PROCESS FOR MAKING A NEW ENAMELED WIRE

APPLICANT : NEO WIRES & ALLIED PRODUCTS PVT. LTD.,  
S-BLOCK, W. 232, M.I.D.C. BIKSARI,  
PUNE - 411 026,  
MAHARASHTRA, INDIA  
AN INDIAN COMPANY

INVENTORS : 1. VINOD ZAVERI  
2. ARUN TIARI KULKARNI

INTERNATIONAL : ----  
APPLICATION NO.

INDIAN : 157/BOM/1999 DATED 04/03/1999  
APPLICATION NO.

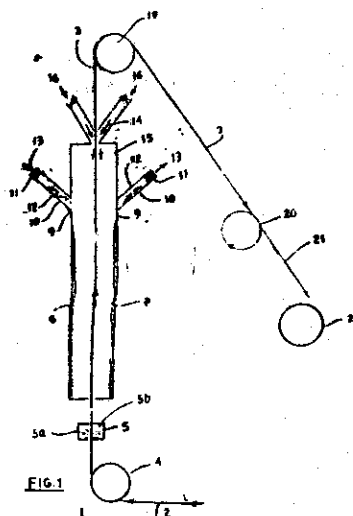
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 02 CLAIMS

1) A new enameling process for making a new enameled wire comprising drawing of bare Copper /Aluminum / other metal(s) /alloy(s) conductor to the required size, then annealing the same and applying the Polyimide enamel solution on the bare copper or other metal or alloy conductor, the coating chamber applicator which is a closed chamber having temperature at sub-zero that is from  $10^{\circ}$  C to  $0^{\circ}$  C, wherefrom the conductor picks-up the enamel solution and is further passed through the heating chamber having electrical heating elements or other heating means, thereafter the enamel solution carried by the conductor is cured at about  $300^{\circ}$  C, the bare conductor thus gets converted into insulated wire, the speed of the wire passing through the heating chamber depends on the size of the conductor / wire, and removing the vapors of solvents released due to high-temperature-curing action, by means of exhaust pipe/s and fan/s located on the extended paths and cooling the wire by means of a draft of cool air from the farther end of the said heating chamber whereby the cool air assists in cooling the enamel coated conductor/wire to bring the wire at the ambient temperature at the exit point, thereafter the wire passes over diversion pulley and further over a capstan and finally over pick-up device in the form of a spool or drum to obtain the enameled wire.

Complete Specification : 05 Pages

Drawings : 01 Sheets





IND. CL. : 32 C 192721

INT. CL. : C 07 C 01/00

TITLE : A PROCESS FOR CONVERTING OXYGENATE TO OLEFINS WITH INCREASED HEAT RECOVERY AND HEAT INTEGRATION.

APPLICANT : EXXON CHEMICAL PATENTS INC. A DELAWARE CORPN. OF 5200 BAYWAY DRIVE BAYTOWN TEXAS 77520 - 5200, U.S.A.

INVENTOR : 1) KEITH H. KUECHLER  
2) JAMES R. LATINER.

INTERNATIONAL APPLICATION NO : PCT/US99/08544 DATED 16.4.1999

INDIAN APPLICATION NO. : IN/PCT/2000/00516/MUM DATED 18. 10. 2000

PRIORITY NO. : 09/069,403 DATED 29.4.198 OF U.S.A.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003) PATENT OFFICE BRANCH, MUMBAI - 13.

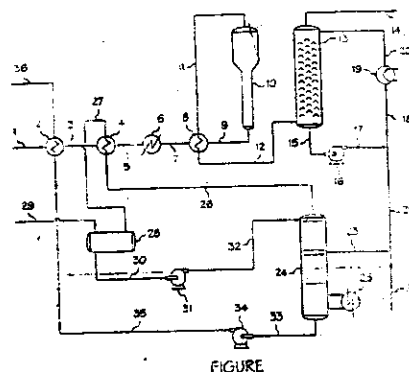
### 10-CLAIMS

A process for converting an oxygenate to olefins with increased heat recovery and heat integration, said process comprising :

heating a feedstock comprising said oxygenate having a first heat content from a first temperature to a second temperature through from one to three stages having successively higher heat contents;

contacting said feedstock at said second temperature with a catalyst comprising a molecular sieve under conditions effective to produce a deactivated catalyst having carbonaceous deposits and a product comprising said olefins, wherein said molecular sieve comprises pores having a diameter smaller than 10 Angstroms and said product has a third temperature which is higher than said second temperature;

separating said deactivated catalyst from said product;



quenching said product with a medium at an initial temperature and in an amount sufficient for forming a light product fraction and a heavy product fraction wherein said light product fraction comprises light olefins and said heavy product fraction has a final temperature which is higher than said first temperature by at least 5°C; and

using at least a portion of said heavy product fraction to provide heat at one or more of said stages to achieve said higher hear contents.

**Comp.specn.: 25 pages**

**Drawings – 1– sheet**

**IND. CL.** : 70 C 3 **192722**

**INT. CL.** : B 01 D - 61/ 08, 65/ 08, C 02 F - 1/48

**TITLE** : A REVERSE OSMOSIS ELECTROSTATIC DEVICE FOR TREATING WATER.

**APPLICANT & INVENTORS** : DENIS-MICHEL LEDOUX OF 62 FONTENAY, LORRAINE, QUEBEC, CANADA J6 Z, IR 7, CANADA, CANADIAN NATIONAL.

**INTERNATIONAL APPLICATION NO** : PCT/ CA 99/00274 DATED 30.03.1999

**INDIAN APPLICATION NO.** : IN/PCT/2000/00449 /MUM DATED 28.09.2000

**PRIORITY NO.** : 60/080,207 DATED 31.03.1998 OF U.S.A.

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

### 16 CLAIMS

A reverse osmosis electrostatic device for treating water having:

an outer elongated conduit (22,48);

an inner coaxial conduit (24,50);

a fluid passageway (36,88) being defined intermediate said outer elongated conduit (22,48) and said inner coaxial conduit (24,50);

means (28, 76, 78, 40) for creating an electrostatic field within said passageway, characterized in that;

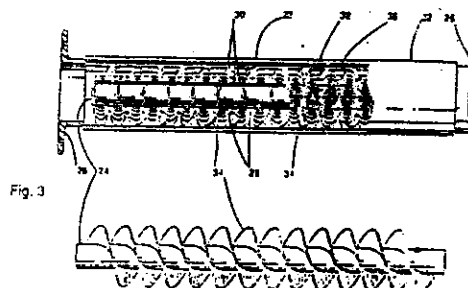
baffle means (34,82) mounted in said fluid passageway;

a plurality of electrode needles (84) in electrical communication with said outer conduit (48), said electrode needles (84) extending inwardly towards said inner coaxial conduit (50); and

a power source operatively connected to said outer conduit and said needles to create an intense electric discharge similar to a corona effect.

Comp.specn. 17 pages

Drawings: 06 sheets



IND. CL. : 170 B 192723

INT. CL. : C 11 D 3/00

TITLE : A PROCESS FOR PREPARING A LAUNDRY DETERGENT OR A FABRI  
CONDITIONING PRODUCT.

APPLICANT : HINDUSTAN LEVER LIMITED.,  
HINDUSTAN LEVER HOUSE,  
165/166 BACKBAY RECLAMATION,  
MUMBAI- 400 020.  
MAHARASHTRA, INDIA.  
AN INDIAN CO. 'CO'

INVENTORS : (1) MARK JOHN BERRY  
(2) PAUL JAMES DAVIS  
(3) MICHAEL JOHN GIDLEY

INTERNATIONAL : -----  
APPLICATION NO.

INDIAN : 25/BOM/1999 DATED 11/01/1999  
APPLICATION NO.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003) PATENT OFFICE BRANCH, MUMBAI - 13.

**09 CLAIMS**

- 1) A process for preparing laundry detergent or a fabric conditioning product comprising attachment of a polysaccharide with a protein forming a polysaccharide conjugate, wherein said protein used is selected from the group consisting of an enzyme, antibody, and an antibody fragment, said protein used has a molecular weight of at least 5,000 Daltons, said polysaccharide used has a 1-4 linked glycan backbone structure and said polysaccharide conjugate being capable of binding to cellulose in fabric.

Complete Specification : 29 Pages

Drawings : Nil Sheets

**IND. CL.** : 155 E 192724  
**INT. CL.** : D06 M 13/00  
**TITLE** : A CONDITIONING CONCENTRATE COMPOSITION AND A METHOD OF MANUFACTURING THE SAME.  
**APPLICANT** : HINDUSTAN LEVER LTD  
HINDUSTAN LEVER HOUSE, 165-166 BACKBAY  
RECLAMATION, MUMBAI- 400 020, INDIA AN INDIAN CO.  
MAHARASHTRA.

**INVENTORS** : MANSUR SULTAN MUHAMMADI

**INTERNATIONAL APPLICATION NO** :  
**INDIAN APPLICATION NO.** : 87 BOM 1999 DATED 02.02.1999

PRIORITY NO. 9804283.1 DATED 27.2.98 OF U.K. ID

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

### 12 CLAIMS

A conditioning composition comprising (i) a quaternary ammonium fabric softening compound mixed with oil and (ii) water in an amount of 10% or less by total weight of the formulation, wherein the composition contains a water-soluble polymeric structurant.

**Complete Specification – 35**

**Drawing – Nil**

IND. CL. : 189 192725

INT. CL. : A 61 K - 7/06

TITLE : AN AQUEOUS HAIR CONDITIONING COMPOSITION.

APPLICANT : HINDUSTAN LEVER LIMITED,  
HINDUSTAN LEVER HOUSE,  
165/166 BACKBAY RECLAMATION,  
MUMBAI- 400 020.  
MAHARASHTRA, INDIA.  
AN INDIAN CO.

INVENTORS : ANDREW MALCOLM MURRAY

INTERNATIONAL : \_\_\_\_\_  
APPLICATION NO.

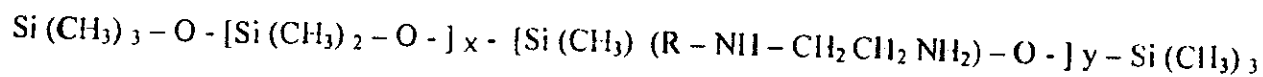
INDIAN : 192/BOM/1999 DATED 17/03/1999  
APPLICATION NO.

PRIORITY NO. : 9806826.5 (33) U.K. (323) 30/03/1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 1973), PATENT OFFICE BRANCH, MUMBAI - 13.

### 07 CLAIMS

- 1) An aqueous hair conditioning composition comprising, in addition to water:
  - i) at least one conditioning surfactant, and
  - ii) emulsified particles, with an average particle size of less than 2 microns, of an amino functional silicone of general formula:



Wherein  $x + y$  is a number from about 50 to about 500, and

Wherein R is an alkylene group having from 2 to 5 carbon atoms;

In which the amino functional silicone has a mole percent amino functionality of at least 1 mole %.

Complete Specification : 15 Pages

Drawings : Nil Sheets

IND. CL. : 63 A2, 63 E 192726

INT. CL. : H 02 P-5/00

TITLE : A POLYPHASE INDUCTION MOTOR.

APPLICANT : JYOTI LIMITED, INDUSTRIAL  
AREA, VADODARA 390 003, GUJARAT,  
INDIA, AN INDIAN COMPANY.

INVENTORS : TIRUMALAI RANGASWAMY MUKUNDAN

INTERNATIONAL : -----  
APPLICATION NO.

INDIAN : 441/BOM/1999 DATED 11/06/1999  
APPLICATION NO.

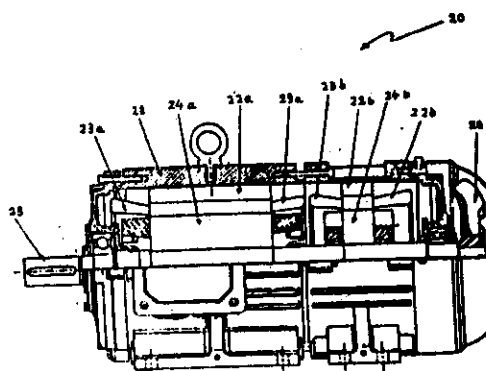
**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES - 2003), PATENT OFFICE BRANCH II, MUMBAI - 13.**

**05 CLAIMS**

1) A polyphase induction motor having an extended body enclosing therewithin: a motoring portion comprising a stator having stator winding and a rotor having rotor winding mounted on a shaft; and a phase balancer portion mounted coaxially on the said shaft operationally behind the stator and the rotor; said phase balancer having stator and rotor windings characterized in that the stator windings of the stator of the motoring portion and the stator windings of the phase balancer portion are connected in series to produce rotating fields in opposite directions which results in the reduction of negative sequence currents when the motor is subjected to unbalanced supply.

**Complete Specification : 14 Pages**

**Drawings : 05 Sheets**



**FIGURE - 2**

IND. CL. : 128 G. 192727

INT. CL. : A 61 B  
A 61 N 1/04

TITLE : A STEROID ELUTING PACING LEAD.

APPLICANT : SHREE PACETRONIX LTD.  
NO. 1, MOON PALACE COLONY,  
INDORE - 452 009, MADHYA PRADESH,  
INDIA, INDIAN COMPANY.

INVENTORS : ATUL SETHI

INTERNATIONAL APPLICATION NO. : -----

INDIAN APPLICATION NO. : 83/BOM/1999 DATED 01/02/1999

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES - 2003, PATENT OFFICE BRANCH, MUMBAI - 13.

#### 01 CLAIMS

1) The Steroid Eluting Pacing Lead (1) consists of a Silicon Tubing (2) having inserted inside MP35N Wire (3) which is connected to a Porous Platinum Iridium tip (4) on one end, and a Terminal End Pin on the other end, (6).

Complete Specification : 07 Pages

Drawings : 02 Sheets

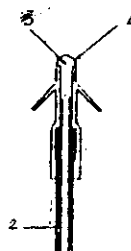


FIGURE 2



IND. CL. : 170 D 192728  
INT. CL. : C 11 D 11/00  
TITLE : SHAMPOO COMPOSITIONS.  
APPLICANT : HINDUSTAN LEVER LIMITED,  
HINDUSTAN LEVER HOUSE,  
165/166, BACKBAY RECLAMATION,  
MUMBAI 400 020, MAHARASHTRA, INDIA  
AN INDIAN COMPANY  
INVENTORS : ANDREW MALCOLM MURRAY  
INTERNATIONAL : ----  
APPLICATION NO.  
INDIAN : 142/BOM/1999 DATED 01/03/1999  
APPLICATION NO.  
PRIORITY NO. : 9804720.2 DATED 05/03/1998 of U.K.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

#### 07 CLAIMS

1) An aqueous shampoo composition comprising, in addition to water:

- i) at least one surfactant chosen from anionic, nonionic, zwitterionic or amphoteric surfactants or mixtures thereof;
- ii) an amino functionalised silicone; and
- iii) emulsified particles of an insoluble, non-amino functionalised silicone, in which the emulsified non-amino functional silicone has an average silicone particle size in the shampoo composition of less than 2 microns.

Complete Specification : 27 Pages

Drawings : Nil Sheets

## NOTIFICATION

5717

THE GAZETTE OF INDIA, MAY 15, 2004 (VAISAKHA 25, 1926)

[PART III—SEC. 2]

IND. CL. : 107 G 192729

INT. CL. : F01 P 11/08

TITLE : LUBRICATING OIL COOLING SYSTEM IN ENGINE OR LIKE MACHINES.

APPLICANT : VORA NAGINDAS, JAMNADAS  
AN INDIAN NATIONAL  
C/O. VORAS EXCLUSIVE TOOLS PVT. LTD.,  
CROSS ROAD 'A'.CHAKALA – M.I.D.C.,  
ANDHERI (E), MUMBAI 400 093.  
MAHARASHTRA, INDIA

INVENTORS : IDEM

INTERNATIONAL : -----  
APPLICATION NO.

INDIAN : 539 BOM 1999 DATED 02/08/1999  
APPLICATION NO.

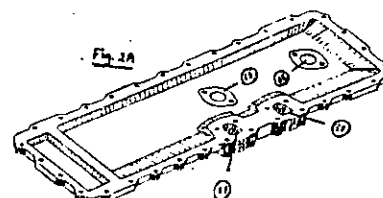
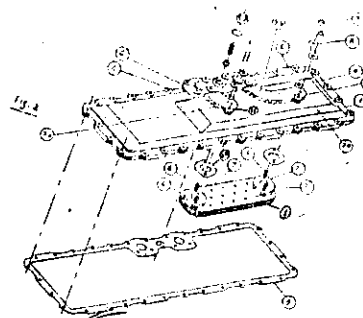
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 03 CLAIMS

- 1) A lubricating oil cooling system in engine or like machines comprising a plate type oil cooler (1) having inlet and outlet, fitted to the engine cover (2) which is modified to make pocket (2a) therein to accommodate the said plate type oil cooler (1); the said cover (2) having matching holes for oil inlet and outlet of that of the said plate type cooler; the said matching holes of the said cover provided with channels (5a, 5b) connectable to the oil inlet and outlet openings of engine block; a gasket (10) provided between flanges (7) of inlet and outlet of the said plate type cooler (1) and engine cover (2) and firmly tightened by means of nylock nuts (9) with tab washer (8) engaged to a pair of studs (6) welded to the each of the said flanges (7) of the plate type cooler; and the said engine cover is fitted to the engine block with sealing gasket (3).

Complete Specification : 07 Pages

Drawings : 02 Sheets



**IND. CL.** : 80 E + 1 **192730**  
**INT. CL.** : B 01 D 27/00  
**TITLE** : A GAS AIR FILTERING SYSTEM  
**APPLICANT** : CHAUHAN ABHAY DEO SINGH,  
 FLAT NO.7, AANGAN APARTMENTS, BLOCK  
 NO.20, URMI SOCIETY, ALKAPUR, BARODA-  
 390 008, GUJARAT, INDIA & JAIN BHAGCHAND  
 NATHULALJI, 'ANKUR' NEAR OLD SAMA JAKAT NAKA,  
 BARODA 390008, GUJARAT STATE, INDIA.  
 BOTH INDIANS.  
**INVENTORS** : IDEM  
**INTERNATIONAL :** ---  
**APPLICATION NO.**  
**INDIAN** : 196/BOM/1999 DATED 17/03/1999  
**APPLICATION NO.**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
 RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

### 05 CLAIMS

- 1) A gas/air filtering system comprising an inner shell incorporating a punched sheet and an outer shell attached to the inner shell forming an annulus for gas exit, a top cover and a bottom cover provided to the said inner shell, a gas inlet and a closable door for feeding filter media, provided in the said bottom cover, a gas outlet provided in the said outer shell, a filter media filled in the inner shell being held vertically on the bottom cover and radially with the punched sheet, the said filter media consisting of coarse particles, fine particles and fibres of wood or other biomass, including crop residues, individually and together in their natural form or processed form, intertwining the irregular particles and fibres forming a three dimensional mesh having a very large number of interspaces in all directions providing innumerable paths of flow for gas stream entering the filtering system from top and hitting the filter media horizontally and ultra clean gas leaving the media in substantially perpendicular direction into the annulus.

**Complete Specification : 10 Pages**

**Drawings : 02 Sheets**

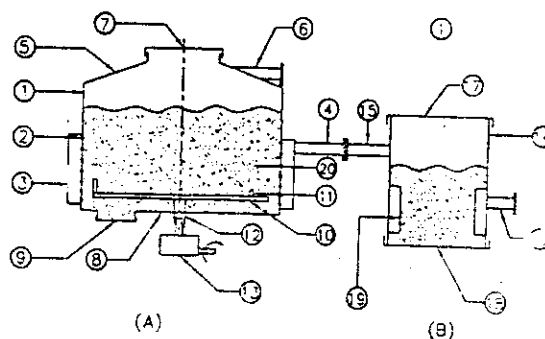


FIG. 2

Indian Classification	-	144B	<b>192731</b>
International Classification <sup>7</sup>	-	A62D 1/00	
Title	-	"A process for preparation of a fire protective coating for preventing spontaneous heating in coal mines."	
Applicant	-	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110 001, India, an Indian body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	-	PAN VIJAY KUMAR SINGH -INDIA, SALIL KUMAR GHOSH -INDIA, BHARAT BHUSHAN DHAR -INDIA.	
Kind of Application	-	PROVISIONAL/COMPLETE	
Application for Patent Number	1240/Del/1995	filed on	04/07/1995

Complete left after Provisional Specification filed on :04/07/1995 Complete filed on : 04/07/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

( Claims 5 )

A process for the preparation of a fire protective coating for preventing spontaneous heating in coal mines, which comprises preparing an aqueous solution of 4.5 to 5.0%(w/v) of boric acid, characterized in that adding 0.3 to 0.5 % of lime (by weight) under stirring, adding this resultant solution in water based (cationic) bitumen emulsion under constant stirring to obtain the fire protective coating.

Agent Council of Scientific & Industrial Research, INSDOC Building, 14, Satsang Vihar Marg, Special Institutional Area, N.Delhi-110 067.

Provisional Specification	No of Pages	4	Drawings Sheets	
Complete Specification	No of Pages	12	Drawings Sheets	NIL

Indian Classification	:	32C	192732
International Classification <sup>4</sup>	:	C 07C-017/15, 17/154	
Title	:	<b>"AN IMPROVED PROCESS FOR THE OXIDATION OF CYCLOHEXANE TO A MIXTURE OF CYCLOHEXANONE AND CYCLOHEXANOL".</b>	
Applicant	:	<b>COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).</b>	
Inventors	:	<b>ROBERT RAJA PAUL RATNASAMY -BOTH INDIAN.</b>	
Kind of Application	:	<b>COMPLETE</b>	

Application for Patent Number 1791/DEL/1995 filed on 29/09/1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(10 Claims)

An improved process for the oxidation of cyclohexane to a mixture of cyclohexanone and cyclohexanol which comprises;

- i) reacting cyclohexane and solid catalyst as herein described containing organotransition metal complex as herein described wherein some or all of the hydrogen atoms of the said organotransition metal complex have been substituted by one or more electron withdrawing groups as herein described with molecular oxygen at a temperature in the range of 20 to 80° C at a pressure in the range of 5 to 1000 psi,
- ii) optionally adding solvent as herein described to above reaction mixture with or without promoter as herein described in the concentration range of 0.1 to 1% by wt. of cyclohexane to obtain reaction mixture containing products and unreacted cyclohexanone,
- iii) isolating the cyclohexanone and cyclohexanol from reaction mixture by conventional methods such as herein described.

(Complete Specification Pages 27 Drawing NIL Sheets)

Indian Classification	-	83 B5	192733
International Classification <sup>7</sup>	-	C11B 1/04	
Title	-	"An improved method for enhanced oil recovery from oil seeds".	
Applicant	-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India.	
Inventors	-	VIPIN CHANDRA KALIA - INDIAN RASHMI - INDIAN SADHANA LAL - INDIAN MUNISHWAR NATH GUPTA - INDIAN	
Kind of Application	-	COMPLETE	
Application for Patent Number	206/del/2000	filed on	09/03/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 5 )

An improved method for enhanced oil recovery from oil-seeds which comprises; (i) treating oil-seeds optionally crushed as herein described with enzyme mixture comprising enzyme of protease, amylase, cellulase and pectinase having activity as herein described in the range of 1:62:79:nil to 1:59:2::51 in the presence of 100 ml to 1.0 litre of buffer of pH 6.0 o 7.0 having concentration of enzyme mixture in the buffer ranging from 1 to 10 mg/ml., (ii) incubating he said mixture at a temperature in the range of 35 to 40°C for a period in the range of 1 to 16 hours, (iii) removing the excess liquid by draining and crushing the seeds optionally with solid anhydrous sodium sulfate in the range of 1:0.5 to 1:2 by wt., (iv) recovering oil from the said crushed mixture, as obtained in step (iii) using conventional solvent percolation method using solvent as herein described in the ratio of 1:50 to 1:100 (w/v) of seed material to solvent.

Complete Specification	No of Pages	29	Drawings Sheets	NIL
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Indian Classification	:	83 B5	192734
International Classification <sup>7</sup>	:	C08B	
Title	:	"A PROCESS FOR THE PREPARATION OF A COMPOSITION USEFUL FOR EXTENSION OF SHELF-LIFE OF HORTICULTURAL AGRICULTURAL PRODUCTS AND OTHER SEA FOODS, BASED ON CHITOSAN AND ITS DERIVATIVES."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	RUDRAPATNAM NARAYANASWAMY THARANATHAN FAROOQ AHMED SARDAR KITTUR HABIBUNNISA MYSORE SHIVAIAH KRISHNA PRAKASH - ALL INDIANS	
Kind of Application	:	Complete	

Application for Patent Number 3699/Del/98 filed on 9<sup>th</sup> Dec. 98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

**( 5 Claims )**

A process for the preparation of a composition useful for extension of shelf-life of horticultural agricultural products and other sea foods, based on chitosan and its derivatives which comprises of blending chitosan and its derivative with intermediate molecular weight such as herein described in aqueous acidic medium (0.5-2% w/v), saturated and unsaturated fatty acids and their derivatives such as herein described having carbon atoms upto C18 (0.2 to 2%, w/v), lower aliphatic alcohols (20 ml) and conventional anionic emulsifier (0.2-0.8%).

**(Complete Specification 17 Pages Drawings Nil Sheet)**

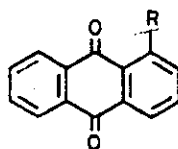
Indian Classification	:	55 E	192735
International Classification <sup>7</sup>	:	C07C 45/00	
Title	:	"AN IMPROVED PROCESS FOR THE PREPARATION OF 1-NITROANTHRAQUINONE."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	DATTATRAY MANOHAR AKKEWAR - INDIAN LINGAIAH NAGARAPU - INDIAN CHANDRA SHEKAR BOREDA - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 964/Del/2000 filed on 1<sup>st</sup> Nov. 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003:)  
Patent Office Branch, New Delhi - 110 008.

( 3 Claims )

An improved process for the preparation of 1-nitroanthraquinone having general formula 1



1 R = H, NO<sub>2</sub>

wherein R = NO<sub>2</sub>, which comprises nitrating anthraquinone of general formula 1 wherein R = H using fuming nitric acid and graphite or carban black as catalyst wherein ratio between anthraquinone and fuming nitric acid ranges 1:6-20(molar) and ratio between anthraquinone and catalyst ranges 1:0.1-1.0 by weight in presence of chlorinated inert solvent, preferably carbon tetrachloride at a temperature in the range of 25-35°C for period 6-24 h and recovering the desired 1-nitroanthraquinone by conventional methods such as herein described.

(Complete Specification 10 Pages Drawings 1 Sheet)



Indian Classification	:	55E <sub>4</sub>	192736
International Classification <sup>1</sup>	:	C 11C 3/10; A61K 37/20.	
Title	:	<b>" A PROCESS FOR PREPARATION OF CHOLESTEROL LOWERING STRUCTURED LIPIDS CONTAINING OMEGA 3 POLYUNSATURATED FATTY ACIDS".</b>	
Applicant	:	<b>COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).</b>	
Inventors	:	<b>REENA RAO KARI SAMBAIAH BELUR RAMASWAMY LOKESH -ALL INDIAN.</b>	
Kind of Application	:	<b>COMPLETE</b>	

Application for Patent Number 324/DEL/2002 filed on 27/03/2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 Patent Office Delhi Branch,  
New Delhi – 110 008.

(12 Claims)

A process for preparation of cholesterol lowering structured lipids containing omega 3 polyunsaturated fatty acids which comprises:

- a) hydrolyzing triglycerides of natural source by a known method, to obtain free fatty acids rich in omega 3 PUFA,
- b) interesterifying coconut oil with the free fatty acids obtained from the step (a) at preferable molar ratio of 1:5,
- c) incubating with immobilized lipase at a temperature range of 37-55<sup>0</sup>C for a period of 6-48 hours using a hydrocarbon solvent such as herein described for enzymatic acidolysis thereby incorporating the required acyl groups into the specific positions of the triacylglycerols,
- d) separating the reaction products by adsorption chromatography using one or more organic solvents selected from ethers, hexane optionally with 1 part of acetic acid to obtain structured lipids, and
- e) recovering the structured lipids by known methods.

(Complete Specification Pages 20 Drawing 02 Sheets)

Indian Classification	-	83 A <sub>3</sub>	192737
International Classification <sup>7</sup>	-	A 61K 31/495, A 23L 1/316	
Title	-	"AN IMPROVED PROCESS FOR PREPARATION OF PROTEOLYTIC ACTIVITY RICH SPICE POWDER USEFUL FOR TENDERIZATION OF MEAT"	
Applicant	-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.	
Inventors	-	BHASKAR - NARAYAN - INDIAN SACHINDRA NAKKARIKE MANJABHATTA - INDIAN MAHENDRAKAR NAMADEV SUBBANNA - INDIAN SAKHARE PATIRAM ZITUJI - INDIAN NARASIMHA RAO DITTAKAVI - INDIAN	
Kind of Application	-	COMPLETE	
Application for Patent Number		265/del/2002	filed on 20/3/2002

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008

( Claims 4 )

An improved process for preparation of proteolytic activity rich spice powder useful for tenderization of meat which comprises: - (a) preparing ginger powder by macerating the cleaned raw ginger, - (b) homogenizing the said ginger powder in ethanol in a ratio of 1:3 to 1:5 (w/v), at a temperature ranging between 2-4°C for 2-6 minutes, - (c) filtering and air-drying the residue at a temperature ranging between 35-45°C for a period ranging from 20-35 minutes, - (d) pulverizing the above said dried material to obtain proteolytic activity rich ginger powder.

Complete Specification	No. of Pages	22	Drawings Sheets	NIL
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Indian Classification	:	83 A <sub>1</sub>	192738
International Classification <sup>4</sup>	:	A22C 25/00	
Title	:	<b>" AN IMPROVED PROCESS FOR THE EXTRACTION OF FIN RAYS FROM DRIED SHARK FINS".</b>	
Applicant	:	<b>COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).</b>	
Inventors	:	<b>NAKKARIKE MANJABHATTA SACHINDRA NARAYAN BHASKAR KATTERA PEMMAIAH YASHODA DITTAKAVI NARASIMHA RAO -ALL INDIAN.</b>	
Kind of Application	:	<b>COMPLETE</b>	

Application for Patent Number **230/DEL/2002** filed on **14/03/2002**.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(06 Claims)

An improved process for the extraction of fin rays from dried shark fins which comprises:

- a) soaking the dried shark fins containing a mix of dried dorsal, ventral and caudal fins in 3 to 7% acetic acid at 50 to 60<sup>0</sup> C for to 180 minutes.,
- b) draining out the acetic acid solution,
- c) washing the softened fins in fresh water till no acetic acid odor is perceptible,
- d) scrapping off the surface skin manually,
- e) separating the fin rays manually from the softened fins,
- f) washing the separated fin rays in fresh water
- g) soaking the fin rays in 1 to 6% acetic acid at 50 to 60<sup>0</sup>C for 3 to 10 minutes,
- h) draining the acetic acid solution,
- i) washing fin rays thoroughly with fresh running water to remove acetic acid odor,
- j) drying at 35 to 50<sup>0</sup> C for 1 to 4 hours using a dryer to obtain dried shark fin rays.

(Complete Specification Pages 11 Drawing NIL Sheets)

Ind. Cl.	:	32C	192739
Int. Cl. <sup>7</sup>	:	A 61K 31/495	
Title	:	AN IMPROVED PROCESS FOR PREPARATION OF NICOTINAMIDES	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.	
Inventors	:	SUBHASH CHANDRA RAY - INDIAN BALDEV SINGH - INDIAN SUMANT MAHARAJ - INDIAN HIRALAL PRASAD - INDIAN PRODYOT KUMAR SARKAR - INDIAN PASHUPATI DUTTA - INDIAN SHYAM KISHORE ROY - INDIAN ANUP KUMAR BANDOPADHYAY - INDIAN RAJA SEN - INDIAN	
Kind of Application	:	Complete	
Application for Patent Number	:	295/Del/2002 filed on 26/3/2002	

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch-110 008.

(Claims 5)

An improved process for the preparation of nicotinamides which comprises dissolving the cyanopyridines such as herein described in the range of 0.8 to 2.0 moles in water in the range of 1.5 to 8.0 moles; adding manganese dioxide catalyst prepared in neutral medium in the range of 0.01 to 0.03 moles, refluxing the reaction mixture at the temperature in the range of 100 to 115°C for a time period in the range of 6 to 15 hours, cooling to room temperature filtering and washing with water the resultant mixture and evaporating the filtrate to dryness to obtain the said nicotinamide.

Complete Specification No. of pages 13

Drawings Sheets Nil

Indian Classification	:	55 E4	192740
International Classification <sup>7</sup>	:	C12N 11/08	
Title	:	"A PROCESS FOR THE PREPARATION OF PURIFIED PENICILLINASE."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	VARSHA BHIKOBHA GHADGE SURENDRA PONRATHNAM CHELANATTU KHIZHAKKE MADATH RAMAN RAJAN BHAGWAT SHAMRAO DESHPANDE VAYALOMBRON KANDYAN SUDHAKARAN JAIPRAKASH GANPATRAO SHEWALE - ALL INDIANS	
Kind of Application	:	Complete	

Application for Patent Number 1062/Del/2000 filed on 24<sup>th</sup> Nov. 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 6 Claims )

A process for preparation of purified penicillinase, which comprises suspending the novel derivatised macroporous beaded crosslinked ethyl glycidal ether copolymers in a crude penicillinase enzyme extract (1:2 to 1:5) prepared in a buffer solution having a molarity in the range of 0.05 to 0.2 and pH in the range of 7 to 8, agitating the suspension for a period upto 30 minutes at a temperature in the range 20 to 25<sup>0</sup>C at an rpm in the range of 75 to 200, filtering the suspension, washing the beads with the buffer solution having molarity in the range of 0.05 to 0.2 and pH in the range of 7 to 8, eluting the adsorbed penicillinase by washing the buffer solution containing alkali metal salt solution followed by desalting the penicillinase solution by conventional methods to give purified penicillinase.

(Complete Specification 23 Pages Drawings Nil Sheet)

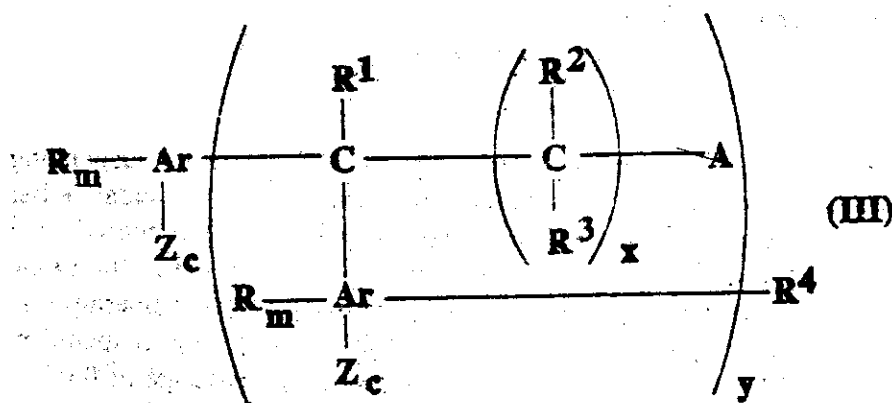
Indian Classification	:	140 A	192741
International Classification <sup>7</sup>	:	C10M 129/76; C10M 129/95; C10M 133/16	
Title	:	"A LUBRICANT-FUEL COMPOSITION FOR TWO-STROKE CYCLE ENGINES."	
Applicant	:	THE LUBRIZOL CORPORATION, a corporation organized under the laws of the State of Ohio, United States of America, of 29400 Lakeland Boulevard Wickliffe, Ohio 44092-2298, United States of America.	
Inventors	:	WILLIAM KENNETH STEPHEN CLEVELAND—U.S. PAUL ERNEST ADAMS—U.S. MARVIN BRADFORD DE TAR—U.S.	
Kind of Application	:	Complete	
Application for Patent Number	:	1163/Del/95 filed on 22nd June 95.	

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi -110 008.

(28 Claims)

A lubricant-fuel composition for two-stroke cycle engines comprising a normally liquid fuel of the kind such as herein described and a lubricant, wherein the said composition comprises 10 to 100 parts of said fuel to 1 part of said lubricant.

wherein said lubricant comprises a major amount of an oil of lubricating viscosity of the kind such as herein described and a minor amount of a least one carboxylic compound of the general formula—III.



or mixtures thereof,

wherein R, Ar, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, m and x of formula (IV) are as defined hereinabove, and

optionally comprising an auxiliary conventional dispersant and an auxiliary detergent of the kind such as herein described,

wherein the said oil of lubricating viscosity is present in the said lubricant at greater than 50% by weight and the said carboxylic compound of general formula III is present in the said lubricant at less than 50% by weight.

(Complete Specification 90 Pages Drawings Nil sheet)

Indian Classification	:-	155D	192742
International Classification <sup>7</sup>	:-	D 21B 1/00	
Title	:-	<b>"METHOD OF CREATING A COMMINUTED WOOD FIBRE FEEDSTOCK"</b>	
Applicant	:-	TENCEL LIMITED, 1 Holme Lane, Spondon, Derby, Derbyshire DE21 7BP, United Kingdom.	
Inventors	:-	GRAY, GARY EDWARD GEORGE – BRITISH JACK, IAIN RICHARD – BRITISH	
Kind of Application	:-	COMPLETE/DIVISIONAL	
Application for Patent Number		762/del/2002	filed on 22/07/2002

Divided out of Application for Patent Number 487/DEL/94 On 25.4.94  
 Anti Dated to 25.4.94

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office New Delhi Branch - 110 008.

( Claims 11 )

A method of creating a comminuted wood fibre feedstock from at least one sheet of wood pulp for use in a cellulosic solution production plant, which method includes (a) feeding the at least one sheet into a cutting area of a shredding mill defined by a nip created between first and second rows of contra-rotating disc cutters, at least one row being provided with hooks to drag material between the rows of cutters through the nip and thereby to tear platelets out of the sheet, and (b) receiving the torn platelets downstream of the nip and forwarding them pneumatically to the processing plant.

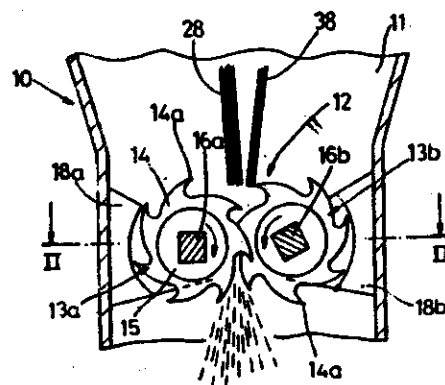


Fig. 1

Complete Specification	No of Pages	15
Drawings Sheets	03	

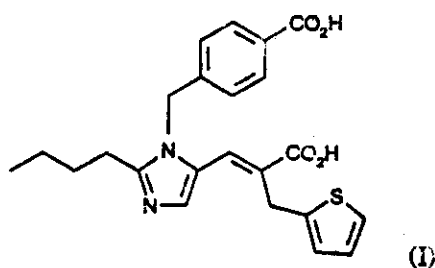
Indian Classification	:	55 E	192743
International Classification <sup>7</sup>	:	C07D 233/55	
Title	:	"A NOVEL PROCESS FOR THE PREPARATION OF EPROSARTAN."	
Applicant	:	SMITHKLINE BEECHAM CORPORATION, a corporation organized under the laws of the Commonwealth of Pennsylvania, one of the United States of America, of One Franklin Plaza, Philadelphia, Pennsylvania 19103, United States of America.	
Inventors	:	CLIFFORD S LABAW – U.S. JOSEPH ROBERT FLISAK – U.S. LI LIU – U.S.	
Kind of Application	:	Convention-Complete	

Application for Patent Number 0058/Del/ 02 filed on 28<sup>th</sup> JAN. 02.  
Convention date 14.2.1997/ 60/038,195/ U.S.A  
Divisional out of Patent Application No. 360/del/98 filed on 12.2.98  
Ante dated to 12.2.98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi – 110 008.

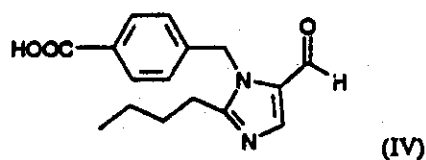
( 6 Claims )

A novel process for the preparation of eprosartan, a compound of formula (I):



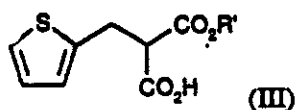
or a pharmaceutically acceptable salt thereof,

which process comprises reacting a compound of formula (IV):





or an acid or a base addition salt thereof,  
with a compound of formula (III):



wherein  $\text{R}'$  is  $\text{C}_{1-4}$  alkyl,

at a reduced pressure of 9-13 inches of Hg in the presence of a catalyst of the kind such as herein described and thereafter hydrolyzing the ester and optionally forming a pharmaceutically acceptable salt.

(Complete Specification 16 Pages ; Drawings Nil Sheets)

Indian Classification	: 55 E	192744
International Classification <sup>7</sup>	: C07D 207/00	
Title	: "THE PRODUCTION OF A 3-AMINOMETHYL-4-ALKOXYIMINO PYRROLIDINE	
Applicant	: LG CHEMICAL LTD, of the address: 20, Yoido-dong, Yongdungpo-Ku, Seoul, Republic of Korea.	
Inventors	: KWANG YUL MOON - KOREAN WON SUP KIM - KOREAN TAE HEE LEE - KOREAN JAY HYOK CHANG - KOREAN	
Kind of Application	: Complete	

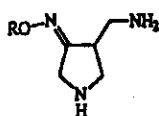
Application for Patent Number 183/Del/2002 filed on 1<sup>st</sup> March 2002.

Divisional out of Patent Application No. 361/del/99 filed on 3.3.99  
Ante dated to 3.3.99.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 )  
Patent Office Branch, New Delhi - 110 008.

( 2 Claims )

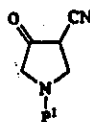
1. A process for the production of a 3-aminomethyl-4-alkoxyimino pyrrolidine compound of formula (2):



(2)

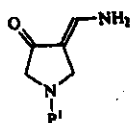
Wherein R is C<sub>1-4</sub> alkyl or C<sub>1-4</sub> haloalkyl, or a salt thereof, which comprises

- a) reacting a compound of formula (5):



(5)

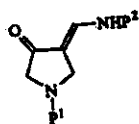
wherein  $P^1$  is a protecting group selected from acetyl, t-butoxycarbonyl and pivaloyl, with a Raney-nickel catalyst in a solvent under hydrogen to produce a compound of formula (6):



(6)

wherein  $P^1$  is defined in formula (5), wherein the solvent is used in an amount of 2 to 20 times by volume with respect to the compound of formula (5), the hydrogen pressure is from atmospheric pressure to 50 atms, and the reaction temperature is from room temperature to 60° C;

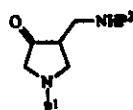
b) reacting the compound of formula (6) with di (t-butoxy)dicarbonate, pivaloyl chloride or acetyl chloride to produce a compound of formula (7):



(7)

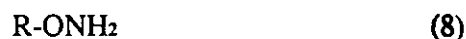
wherein  $P^1$  and  $P^2$  are protecting groups selected from acetyl, t-butoxycarbonyl and pivaloyl, wherein one or more bases selected from the group consisting of lithium t-butoxide, lithium isopropoxide, potassium t-butoxide, sodium t-butoxide, lithium chloride, sodium hydroxide and potassium hydroxide are used in an amount of 2.0 to 4.0 molar equivalents with respect to the compound of formula (6), one or more solvents selected from the group consisting of tetrahydrofuran, toluene and dioxane are used in an amount of 5 to 20 times by volume with respect to the compound of formula (6), and the temperature ranges from -40 to 10° C;

c) selectively reducing the double bond in the compound of formula (7) by reacting the compound of formula (7) with a metal catalyst in a solvent under hydrogen pressure to hereby produce the compound of formula (1):



(1)

in which  $P^1$  and  $P^2$  are defined in formula (7), wherein one or more metal catalysts selected from the group consisting of Raney-nickel, palladium-carbon and Lindlar's catalyst are used in an amount of 0.5 to 20% by weight with respect to the compound of formula (7), one or more solvents selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, tetrahydrofuran, dioxane, acetone, methyl ethyl ketone, ethyl acetate and butyl acetate are used in an amount of 5 to 100 times by volume with respect to the compound of formula (7), the reaction temperature ranges from 0 to 50° C and the pH of the reaction solution is adjusted to 8 to 10 using organic amines or buffer solution characterized in that such compound of formula (1) is reacted with a compound of formula (8):



Wherein R is as defined above followed by deprotecting the amino groups and optionally, forming salts, to obtain the compound of formula (2), wherein the reaction of the compounds of formula (1) and (8) is conducted in a solvent such as ethyl acetate or tetrahydrofurane, the deprotecting reaction is conducted under acidic conditions such as the acid, hydrochloric acid gas, sulphuric acid and the salts of the compounds of formula (2) include hydrochloride salts or trifluoroacetate salts or trifluoroacetate salts, the compound of formula (8) is used in an amount of equimolar-1.1 molar equivalents with respect to the compound of formula (1).

(Complete Specification 28 Pages Drawings Nil Sheets)

Indian Classification :- 128 A 192745

International Classification<sup>7</sup> :- A 61 F 15/13

Title :- "An absorbent article."

Applicant :- The procter & Gamble Company, of One Procter & Gamble Plaza, Cincinnati, United States of America.

Inventors :- JOHN COLLINS DYER -U.S.A.,  
THOMAS ALLEN DESMARAIS -U.S.A.,  
GARY DEAN LAVON -U.S.A.,  
KEITH JOSEPH STONE -U.S.A.,  
GREGORY WADE TAYLOR -U.S.A.,  
GERALD ALFRED YOUNG -U.S.A.,  
PAUL - SEIDEN -CANADIAN,  
STEPHEN ALLEN GOLDMAN -U.S.A.,  
HERBERT LOUIS RETZSCH -U.S.A.

Kind of Application :- COMPLETE/DIVISIONAL

Application for Patent Number 201/Del/2002 filed on 07/03/2002

Divided out of Application for Patent Number 1366/Del/1993 filed on 06/12/1993  
Anti Dated to 06/12/1993

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office,  
New Delhi Branch - 110 008.

( Claims 4 )

An absorbent article suitable for absorbing and retaining aqueous body fluids, preferably a diaper, said article characterized in that it comprises:

- (I) a backing sheet;
- (II) an absorbent core associated with said backing sheet such that said absorbent core is positioned between said backing sheet and the fluid discharge region of the wearer of the article, said absorbent core comprising the foam material having:
  - (A) a specific surface area per foam volume of at least  $0.025 \text{ m}^2 \text{ cc}$ ;
  - (B) at least 0.1% by weight of a toxicologically acceptable hygroscopic hydrated salt incorporated in the foam;
  - (C) in its collapsed state having an expansion pressure of 30 kPa or less; and
  - (D) in its expanded state having a density when saturated at  $31^\circ\text{C}$  to its free absorbent capacity with synthetic urine having a surface tension of  $65 \pm 5 \text{ dynes/cm}$  of 10% to 50% of its dry base density in its collapsed state
- (III) additional components conventional in absorbent articles for absorbing and retaining body fluids.

Complete Specification No of Pages 86

Drawings Sheets 08

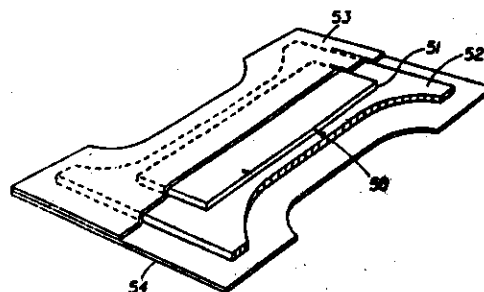


Fig. 5

Indian Classification	: 32 F(2b)	192746
International Classification <sup>7</sup>	: C07D 471/22	
Title	: "PROCESS FOR PREPARING 8-CYCLOPENTYL-6-ETHYL-3-[SUBSTITUTED]-5,8-DIHYDRO-4H-1,2,3A,7,8-PENTAAZA-AS-INDACENES AND INTERMEDIATES USEFUL THEREIN."	
Applicant	: PFIZER PRODUCTS INC., a corporation organized under the laws of the state of Connecticut, United States of America, of Eastern Point Road, Groton, Connecticut 06340, United States of America.	
Inventors	: FRANK JOHN URBAN - U.S.	

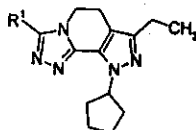
Kind of Application : Convention-Complete

Application for Patent Number 447/Del/ 2000 filed on 24<sup>th</sup> April 2000.  
Convention date 30.4.1999/ 60/131,949/ U.S.A.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 )  
Patent Office Branch, New Delhi - 110 008.

( 7 Claims )

A method of preparing an 8-cyclopentyl-6-ethyl-3-[substituted]-5,8-dihydro-4H-1,2,3a,7,8-pentaaza-as-indacene compound of Formula (1.0.0):



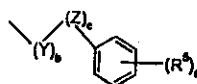
(1.0.0)

and pharmaceutically acceptable salt forms thereof, wherein:

-R<sup>1</sup> is a member independently selected from the group consisting of hydrogen; (C<sub>1</sub>-C<sub>6</sub>) alkyl; (C<sub>1</sub>-C<sub>4</sub>) alkoxy; (C<sub>1</sub>-C<sub>4</sub>) alkoxy(C<sub>1</sub>-C<sub>4</sub>) alkyl; (C<sub>2</sub>-C<sub>6</sub>) alkenyl; (C<sub>3</sub>-C<sub>7</sub>) cycloalkyl and 1'-methyl thereof; (C<sub>3</sub>-C<sub>7</sub>) cycloalkyl(C<sub>1</sub>-C<sub>2</sub>) alkyl; a saturated or unsaturated (C<sub>6</sub>-C<sub>7</sub>) heterocyclic-(CH<sub>2</sub>)<sub>n</sub> group where n is an integer selected from 0, 1, and 2, comprising one or two heteroatoms independently selected from O, S, S(=O)<sub>2</sub>, N, NR<sup>2</sup>, O together with N or NR<sup>2</sup>, S or S(=O)<sub>2</sub> together with N or NR<sup>2</sup>, and N or NR<sup>2</sup> together with N or NR<sup>2</sup>, where:

-R<sup>2</sup> is hydrogen or (C<sub>1</sub>-C<sub>4</sub>) alkyl; or

-R<sup>1</sup> is a group of Formula (1.1.0):



(1.1.0)

wherein:

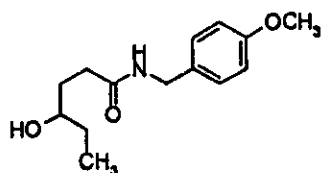
- a is an integer selected from 1 through 5, inclusive;
- b and c are each independently an integer selected from 0 and 1;
- R<sup>5</sup> is a member independently selected from the group consisting of hydrogen; hydroxy; (C<sub>1</sub>-C<sub>4</sub>) alkyl; (C<sub>2</sub>-C<sub>4</sub>) alkenyl; (C<sub>1</sub>-C<sub>4</sub>) alkoxy; (C<sub>3</sub>-C<sub>6</sub>) cycloalkoxy; halogen; trifluoromethyl; CO<sub>2</sub>R<sup>3a</sup>; CONR<sup>3a</sup>R<sup>3b</sup>; NR<sup>3a</sup>R<sup>3b</sup>; NO<sub>2</sub>; and SO<sub>2</sub>NR<sup>3a</sup>R<sup>3b</sup>, where
- R<sup>3a</sup> and R<sup>3b</sup> are each independently selected from the group consisting of hydrogen and (C<sub>1</sub>-C<sub>4</sub>) alkyl;
- Z is O, S, S(=O)<sub>2</sub>, C(=O), or NR<sup>3</sup>; and

--Y is  $-(C_1-C_4)$  alkylene- or  $-(C_2-C_4)$  alkenylene-, either of which is optionally mono-substituted by hydroxy; wherein:

--each above-recited alkyl, alkenyl, cycloalkyl, alkoxyalkyl and heterocyclic group is substituted by 0 to 3 substituents comprising a member independently selected from group consisting of  $(C_1-C_2)$  alkyl, trifluoromethyl, and halogen;

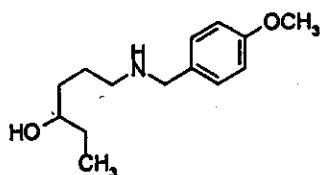
comprising:

- (a) subjecting a solventless reaction mixture of  $\gamma$ -caprolactone and *p*-methoxybenzylamine to heating whereby there is produced an amide compound N-protected by *p*-methoxybenzyl, of Formula (2.0.0):



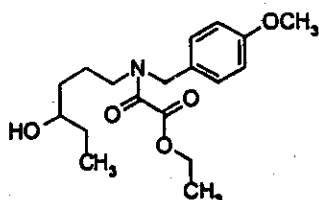
(2.0.0)

- (b) reducing said amide compound of Formula (2.0.0) whereby there is produced an amino alcohol compound N-protected by *p*-methoxybenzyl, of Formula (3.0.0):



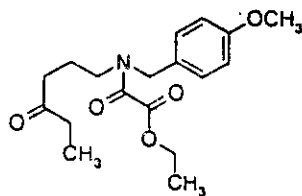
(3.0.0)

- (c) acylating said aminoalcohol compound of Formula (3.0.0) with ethyl oxalyl chloride whereby there is produced an oxalamic acid ethyl ester compound N-protected by *p*-methoxybenzyl, of Formula (4.0.0):



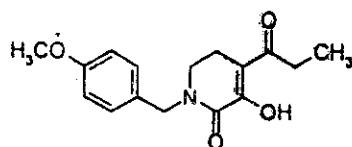
(4.0.0)

- (e) oxidizing said oxalamic acid ethyl ester compound of Formula (4.0.0) whereby there is produced an oxalamide ketone compound N-protected by *p*-methoxybenzyl, of Formula (5.0.0):



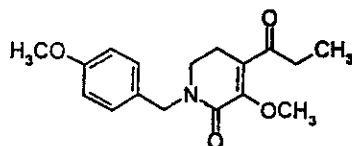
(5.0.0)

- (e) ring closing said oxalamide ketone compound of Formula (5.0.0) whereby there is produced a pyridinone compound N-protected by *p*-methoxybenzyl, of Formula (6.0.0):



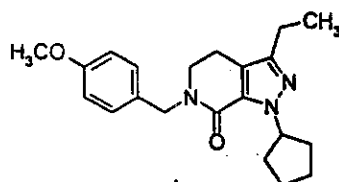
(6.0.0)

- (f) O-methylating said pyridinone compound of Formula (6.0.0) whereby there is produced a 3-methoxy-pyridinone compound N-protected by *p*-methoxybenzyl, of Formula (7.0.0):



(7.0.0)

- (g) treating said 3-methoxy-pyridinone compound of Formula (7.0.0) with cyclopentylhydrazine, whereby there is produced a pyrazolopyridinone compound N-protected by *p*-methoxybenzyl, of Formula (8.0.0):



(8.0.0)

- (h) deprotecting said pyrazolopyridinone compound of Formula (8.0.0) by removing said *p*-methoxybenzyl group therefrom, whereby there is produced a lactam compound of Formula (9.0.0):

(Complete Specification 60 Pages ; Drawings Nil Sheets)



Indian Classification	:	55 E4	192747
International Classification <sup>7</sup>	:	A61K 9/22; A61K 31/00	
Title	:	"A NOVEL METHOD OF STABILIZING BUPROPION HYDROCHLORIDE TABLETS."	
Applicant	:	RANBAXY LABORATORIES LTD. a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi – 110019, INDIA.	
Inventors	:	MANISH CHAWLA- INDIAN RAJEEV SINGH RAGHUVANSHI – INDIAN ASHOK RAMPAL – INDIAN.	
Kind of Application	:	Complete	

Application for Patent Number 459/Del/ 2002 filed on 15<sup>th</sup> April 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi – 110 008.

( 11 Claims )

A method of stabilizing bupropion hydrochloride tablets by a dry granulation process wherein the process comprises the steps of:

- a) blending bupropion hydrochloride and other conventional pharmaceutically acceptable excipients(s) as defined herein,
- b) compacting or slugging the above blend of step (a) by conventional method,
- c) sizing the compacted/slugged material of step (b) into granules by conventional method,
- d) compressing the granules to form tablets and optionally coating the tablets;

wherein the tablets contain at least 80% of undegraded bupropion hydrochloride after storage for two months at 40°C and 75% relative humidity.

(Complete Specification 12 Pages Drawings Nil Sheets)

Indian Classification	:	55 E4	<b>192748</b>
International Classification <sup>7</sup>	:	A61K 9/60, 9/62	
Title	:	"A PROCESS FOR PREPARATION OF ONCE DAILY CONTROLLED RELEASE FORMULATION OF ERYTHROMYCIN A OR ITS DERIVATIVE THEREOF."	
Applicant	:	RANBAXY LABORATORIES LTD. a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi – 110019. INDIA.	
Inventors	:	ASHOK RAMPAL - INDIAN RAJEEV SINGH RAGHUVANSHI - INDIAN MANOJ KUMAR - INDIAN.	
Kind of Application	:	Complete	

Application for Patent Number 778/Del/2000 filed on 29<sup>th</sup> Aug. 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi – 110 008.

**( 15 Claims )**

A process for the preparation of once daily controlled release formulation of 10.0% to about 90.0% w/w of erythromycin A or a derivative characterized by missing erythromycin A or derivative thereof with 0.1% to about 4.0% w/w of pharmaceutically acceptable polymer(s), wherein the pharmaceutically acceptable rate-controlling polymers are selected from amongst carbohydrate gums, polyuronic acid salts, cellulose ethers, acrylic acid polymers and mixtures thereof, and optionally, 6.0 to about 50% w/w of other pharmaceutically acceptable excipients selected from gas generating components, swelling agents, lubricants and fillers, as described herein.

(Complete Specification 14 Pages Drawings Nil Sheets)

Indian Classification	:-	55 E	192749
International Classification <sup>7</sup>	:-	A 61K 31/64	
Title	:-	"A PROCESS FOR PREPARING A SOLID DOSAGE FORM FOR THE COMBINATION OF BIGUANIDE AND GLITAZONE".	
Applicant	:-	Ranbaxy Laboratories Limited, at 19, Nehru Place, New Delhi - 110 019, India.	
Inventors	:-	SUMIT - MADAN - INDIAN ANUPAM - TREHAN - INDIAN VINOD KUMAR ARORA - INDIAN RAJIV - MALIK - INDIAN	
Kind of Application	:-	COMPLETE	
Application for Patent Number	1155/del/2002	filed on	15/11/2002

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 12 )

A process for preparing a solid dosage form for the combination of biguanide and glitazone, said process comprising: - a. dispersing said biguanide in a matrix which provides extended release of the biguanide, - b. dispersing said glitazone in a matrix which provides immediate release of the glitazone, - c. formulating the biguanide matrix and the glitazone matrix into distinct layers with respect to each other.

Complete Specification	No of Pages	15	Drawings Sheets	NIL
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Indian Classification	: 55 E4	192750
International Classification <sup>7</sup>	: A61K 9/24	
Title	: "PROCESS FOR THE PREPARATION OF A FAST DISSOLVING DOSAGE FORM."	
Applicant	: RANBAXY LABORATORIES LTD. a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi - 110019, INDIA.	
Inventors	: DEEPAK MURPANI - INDIAN RAJIV MALIK - INDIAN	
Kind of Application	: Complete	

Application for Patent Number 1170/Del/2000 filed on 15<sup>th</sup> Dec. 2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 14 Claims )

A process for preparing a fast dissolving solid pharmaceutical dosage form, for oral administration, comprising the steps of

a) Blending

a pharmaceutically active agent coated or uncoated, of the kind herein described;

a cementing agent, selected from the group consisting of fats, natural waxes, natural or synthetic polymers, maltodextrins and sugars;  
optionally, other pharmaceutical excipients, of the kind herein described;

b) filling the powder blend of step (a) into the mold/final pack;

c) heating the powder blend to a temperature which is lower than the decomposition temperature of the pharmaceutically active agent and excipients as well as sufficient enough to melt the cementing agent preferably in the range of 25-80°C; and

d) allowing it to cool to ambient temperature to make the dosage form *in-situ*.

(Complete Specification 14 Pages Drawings NIL Sheets)

Indian Classification	:-	108	192751
International Classification <sup>7</sup>	:-	C22c 38/44	
Title	:-	"An Improved process for production of ferrite-martensitic stainless steel plate."	
Applicant	:-	Steel Authority of India Limited, Research & Dev. Centre for Iron & Steel, A Govt. of India Enterprises having its registered office at Ispat Bhawan, Lodhi Road, New Delhi-110003.	
Inventors	:-	SA NTANU KUMAR ROY -INDIA, SANKAR - SEN - INDIA.	
Kind of Application	:-	COMPLETE	
Application for Patent Number		1419/Del/1995	filed on 28/07/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 2 )

An improved process for production of Ferrite-Martensitic stainless steel plate of mechanical properties comparable with those of the corresponding steel plate produced in the conventional process, in a relatively inexpensive and simplified manner, characterised in that the process comprises the steps of :-

- (a) melting and refining the charge of ingredients of the chemical composition (by weight %): C - 0.015 to 0.025, N-0.020 (max), Cr -11.2 to 12.0, Ni - 0.2 to 0.3, Mn - 1.0 to 1.2, Ti - 0.30 to 0.35, S -0.035, S-0.015 (max), P - 0.035 (max) and Fe - balance, in an Electric Arc Furnace (EAF) and Vacuum Oxygen Decarburisation (VOD) unit;
- (b) bringing out the liquid steel from the VOD unit in ladles, pouring the liquid steel from the ladles into the tundish of a Continuous Casting Machine (CCM), and maintaining the temperature of liquid steel at 1530° - 1545°C;
- (c) applying a 'concast' powder of properties: Softening Point - 1040°C ± 30°C, Melting Point - 1100°C ± 20°C, Fluidity Point - 1140°C ± 20°C and Viscosity at 1300° C - 3.0 ± 0.2 Poise in the mould of the CCM in required amount;
- (d) casting the liquid steel from the tundish in the mould of the CCM by adopting parameters: superheat - 30°C (max), casting speed - 0.7 to 0.8 m/min and Intensity of Secondary cooling - 0.80 to 0.85 litre/kg. to produce slabs of thickness 160-170 mm;
- (e) soaking the slabs preferably without grinding, in a reheating furnace for 5-6 hours at 1200° - 20°C;
- (f) soaking the slabs preferably without grinding, in a reheating furnace for 5-6 hours at 1200° ± 20°C;
- (g) finish rolling the soaked slabs into black plates of 5-12 mm thickness at 700° - 800°C; and
- (h) cooling the finish-rolled plates at a rate not exceeding 20°C/minute, preferably by covering the plates with mica chips, and without adopting any annealing treatment, as required in the conventional process.

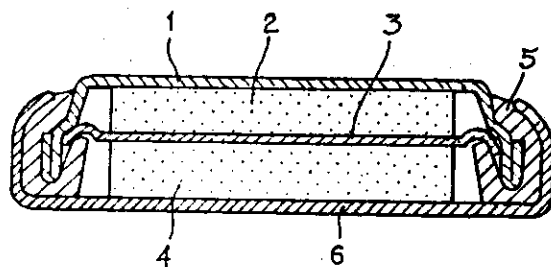
Indian Classification	-	14 A3	192752
International Classification <sup>7</sup>	-	HO 27 7/00	
Title	-	"A Non - Aqueous Electrolyte Secondary Cell Device"	
Applicant	-	Sony Corporation., of 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, Japan.	
Inventors	-	TAKAYUKI YAMAHIRA -JAPANESE YOSHIKI TAKEUCHI -JAPANESE	
Kind of Application	-	COMPLETE	
Application for Patent Number	1191/del/1995	filed on	27/06/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office . New Delhi Branch - 110 008.

( Claims 6 )

A non-aqueous electrolyte secondary cell device having - a negative electrode (2) containing a carbonaceous material as an active negative electrode material and a current collector, wherein said active negative electrode material consists of a carbon sintered mass obtained on sintering the carbonaceous material, - a positive electrode (4) as described herein and - a non-aqueous electrolytic solution as herein before defined, said current collector consists of metal or alloy having a melting temperature of 1000°C or higher, said metal or alloy current collector being adhered to or incorporated in said carbonaceous material prior to becoming said carbon sintered mass.

FIG. 1



Indian Classification : 6 A 192753

International Classification : B 60 R 21/16

Title : "HYBRID INFLATOR FOR AN AUTOMOTIVE INFLATABLE SAFETY SYSTEM"

Applicant : OEA, INC., at 24501 East Quincy Avenue, P. O. Box 10488, Aurora, Colorado 80015, USA and DAICEL CHEMICAL INDUSTRIES, LTD., of 1, Teppo-Cho, Sakai, Osaka 590-8501, Japan.

Inventors : BRIAN KEITH HAMILTON – USA.  
BRENT ALAN PARKS – USA  
MITSUYA ENATSU – JAPAN

Kind of Application : COMPLETE/CONVENTION

Application for Patent Number 1713/DEL/1995 filed on 18.09.1995.

Convention Application No. 08/518923/USA/11.09.1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

(Claims 05)

A hybrid inflator for an automotive inflatable safety system with an air/safety bag which comprises:  
an inflator housing which contains an oxygen-containing pressurized medium as herein described;  
a container chamber provided within said inflator housing and containing a propellant in an unactivated state;

a propellant ignition assembly for igniting said propellant to an activated state in which said propellant generates propellant gases including carbon monoxide and hydrogen which are converted to carbon dioxide and water by reaction on contact with oxygen in said pressured medium as herein described;

an interconnecting port which fluidly interconnects said container chamber and said inflator housing;

a first disk that normally blocks the interconnecting port and is ruptured by propellant gases generated by said propellant in its activated state;

an outlet port provided on said inflator housing to permit the flow of said pressurized medium and said propellant gases from said inflator housing to the air/safety bag;

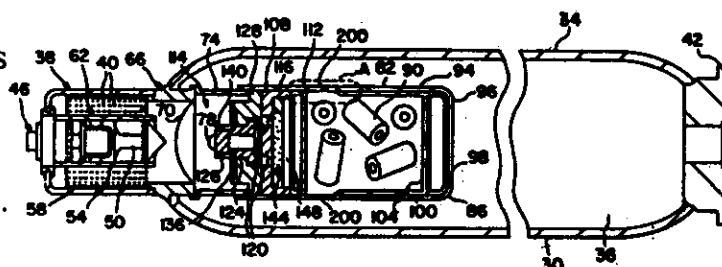
a second disk which normally blocks said outlet port and is ruptured by said propellant gases generated by ignition of said propellant as in the case of said first disk; and

a diffuser interconnected with said outlet port of said inflator housing, characterized in that :

said first and second disks and said diffuser are provided on a common longitudinal axis of said inflator, said diffuser being formed in a cap-like shape having peripheral and top walls, said peripheral wall having inside an opening which is fluidly interconnected with said outlet port and said peripheral wall having a plurality of holes which are fluidly interconnected with said opening.

FIG.2A

(COMPLETE SPECIFICATION -96- SHEETS  
DRAWING SHEETS -15-)



Indian Classification	-	161 A	<b>192754</b>
International Classification <sup>7</sup>	-	E01 C 7/06	
Title	-	"Process for Making a Heated asphalt Surface and Apparatus therefor."	
Applicant	-	Martec Recycling Corporation, a corporation organized under the laws of the Ykon Territory, having its head office at P. O. Box 1011, 1490-885 West Georgia Street, Vancouver, British Columbia, Canada, V6C 3E8.	
Inventors	-	PATRICK CARL WILEY -CANADA, MOSTAFA - JOHARIFARD -CANADA.	
Kind of Application	-	COMPLETE/CONVENTION	
Application for Patent Number	1634/Del/1995	filed on	04/09/1995

Convention No. **2,131,429/Canada/02-09-1994**

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

( Claims 36 )

A process for making a heated asphalt surface comprising the steps of: igniting in a burner a combustible mixture comprising of a fuel and oxygen to produce a hot gas; feeding the hot gas to an enclosure having a radiative face disposed above the asphalt surface, the radiative face having a plurality of apertures; and selecting the dimension of the apertures such that the hot gas; (i) heats the radiative face to provide radiation heat transfer to the asphalt surface; and (ii) passes through the apertures to provide convection heat transfer to the asphalt surface.

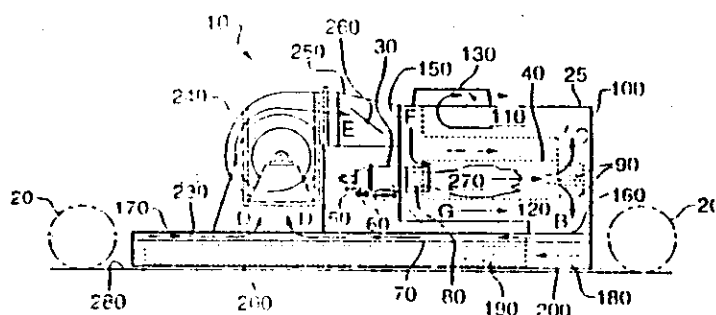


FIG.1

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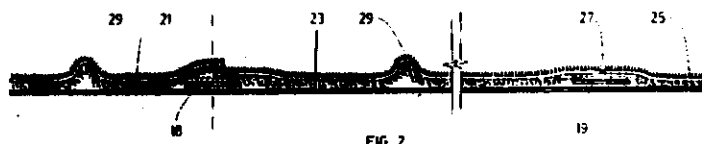


Indian Classification	:-	110	192755
International Classification <sup>7</sup>	:-	A 47 G 27/04	
Title	:-	" A method of treating a looped back carpet "	
Applicant	:-	Tac-Fast Systems Sa of Route De Bu on 15, Case Postale 106, 1752, Villars-sur-Glane 2, Switzerland, a Swiss Company.	
Inventors	:-	JOSEPH ROCCO PACIONE - CANADA.	
Kind of Application	:-	COMPLETE	
Application for Patent Number	994/del/1995	filed on	30/05/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

( Claims 15 )

A method of treating looped backed carpet comprising the following steps: a) installing tape having upwardly facing hooks, onto a floor, the hooks removable covered to prevent premature attachment of the hooks to a carpet, b) loose laying a carpet having a loop backing over top of the tape, c) applying water to the carpet to allow the carpet fibres to absorb water, d) waiting for a period to allow the carpet to achieve substantially maximum expansion and e) removing the tape covering to attach the carpet to the floor in its substantially expanded state.



Complete Specification

No of Pages

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02

Indian Classification	-	153	<b>192756</b>
International Classification <sup>7</sup>	-	A 61 B 17/00	
Title	-	"An articulated arm for conducting medical applications."	
Applicant	-	Ng Wan Sing, of, Blk 827, Jurong West Street 81, #06-278, Singapore 2264.	
Inventors	-	NG WAN SING -SINGAPORE.	
Kind of Application	-	COMPLETE	
Application for Patent Number	1297/Del/1995	filed on	12/07/1995

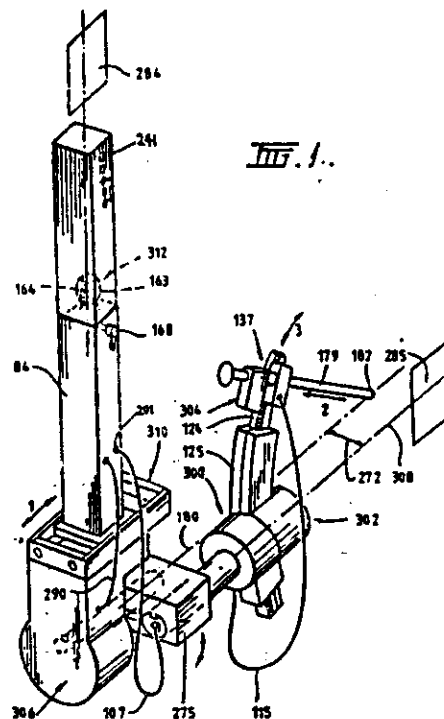
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 21 )

An articulated arm for conducting medical applications comprising: - an arcuate member slidably mounted on a first movable support member, - a tool holder for holding a medical tool in an operational position, said tool holder being carried by the arcuate member, and - a first drive assembly provided on said first support member for slidably moving said arcuate member with said tool holder, wherein said tool holder can be moved along an arcuate path so as to alter the operational position of the tool as.

Complete Specification No of Pages 31

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Indian Classification	-	160 C	<b>192757</b>
International Classification <sup>7</sup>	-	B 60K 41/00	
Title	-	"A TRANSMISSION APPARATUS"	
Applicant	-	Antonov Automotive Technologies B.V., of Weena 373, NL-3013 AL ROTTERDAM, NETHERLANDS.	
Inventors	-	ROUMEN ANTONOV -France	
Kind of Application	-	COMPLETE	
Application for Patent Number	1760/del/1995	filed on	9/25/95

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 34 )

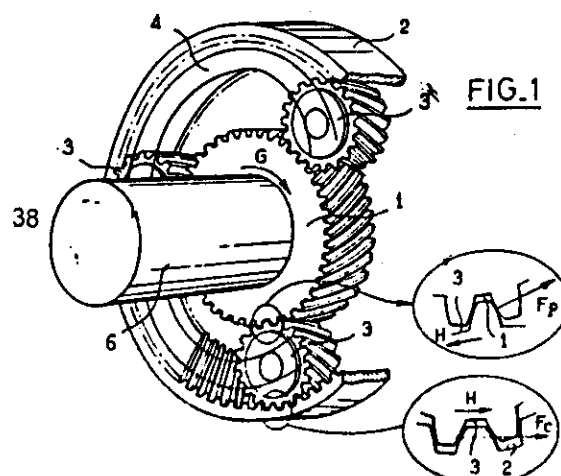
A transmission apparatus comprising: - an input element, an intermediate element and an output element; - an input transmission device mounted between the input element and the intermediate element and is shiftable between a lower transmission ratio and a higher transmission ratio; and - an output transmission device mounted between the intermediate element and the output element, and wherein at least the output transmission device is an automatic transmission device, comprising torque-responsive means increasingly tending to automatically shift down said output transmission device as torque to be transmitted by said output transmission device increases, and/or speed-responsive means increasingly tending to automatically shift up said output transmission device as a speed in the output transmission device increases.

Complete Specification

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Indian Classification :- 149 D **192758**

International Classification<sup>7</sup> :- E04C 5/12

Title :- "Anchorage assembly for a pre-stressed concrete structure."

Applicant :- CCL Stressing Systems Limited, of Cooper-Parry, 102 Friar Gate, Derby, Derbyshire De1 1FH, England.

Inventors :- MICHAEL - SMITH - ENGLAND,  
DAVID - GREEN - ENGLAND,  
DAVID - PHILIPS - ENGLAND.

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 2403/Del/1995 filed on 26/12/1995

Convention No. 9426239.1/United Kingdom/24/12/1994

Convention No. 9520399.8/United Kingdom/06/10/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

( Claims 6 )

An anchorage assembly for a pre-stressed concrete structure, said anchorage assembly comprising of: a bearing plate having at least one transverse opening; and a plurality of tapered wedges, wherein, the or each transverse opening has at least a frusto-conical portion with a central axis which is transverse to the bearing plate and receives, while in use, a stressing element and said plurality of wedges, the wedges each being shaped with an internal part working together with said stressing element and an external part working together with an opening, said plurality of wedges and said opening being assembled, in use, so that the wedges grip the stressing element when stressed to inhibit movement of the element, each of said wedges being provided with both internally and externally relieved portions at a tapered or narrow end region thereof to form a nose portion which tapers to a greater extent than the rest of said wedge, the assembly being characterised in that the angling away of internally relieved portion from an extend of said internal part of said wedge is in the range of 2 to 4 degrees and that the angling away of externally relieved portion from an extent of said external part of said wedge is in the range of 1 to 1.5 degrees.

Complete Specification

No of Pages 24

Drawings Sheets

9

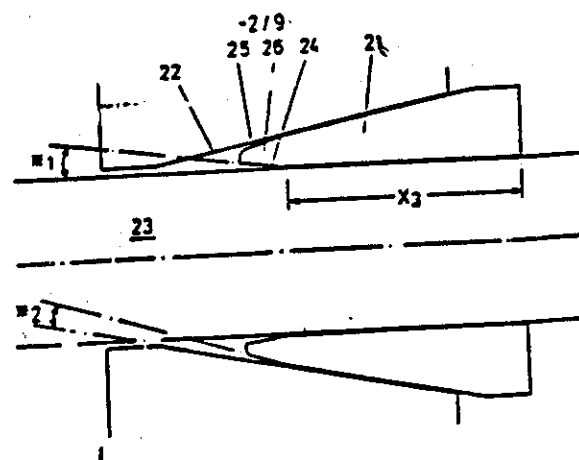


FIG. 24

Indian Classification	:-	161 D	<b>192759</b>
International Classification <sup>7</sup>	:-	E01C 11/16	
Title	:-	"A Pavement Structure and Process for the Preparation Thereof."	
Applicant	:-	Y.D. Phatak, an Indian National of 12, Tilak Khand, Giri Nagar, Kalkaji, New Delhi-110019, India.	
Inventors	:-	YASHDDHAN DINANATH PHATAK -INDIA.	
Kind of Application	:-	COMPLETE	
Application for Patent Number	1104/Del/1995	filed on	15/06/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office . New Delhi Branch - 110 008.

( Claims 4 )

A pavement structure comprising a subgrade; a base course; a pavement sub-structure; and a wearing course, the subgrade constitutes virgin soil on which the structure rests, the base course comprises stabilized soil layer, the pavement sub-structure being constructed on the base course comprising cement concrete or bituminous or prefabricated slab, characterized in that the wearing course comprises reinforcement in the form of steel bar interposed in the aggregate and fine matrix bound by bituminous material.

Complete Specification

No of Pages

08

Drawings Sheets

01

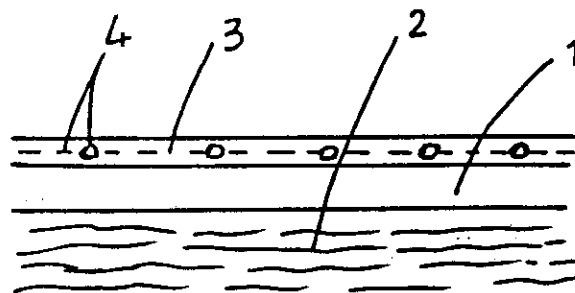


Fig. 1

Indian Classification	:	65 A4	192760
International Classification <sup>7</sup>	:	H02M 3/10	
Title	:	"A SEQUENTIAL DISCHARGE DEVICE AND POWER CONVERSION SYSTEM FOR TRANSFERRING ENERGY."	
Applicant	:	NewVAR L.L.C. a Delaware corporation of 45 Parsonage Lane, Topsfield Massachusetts 01983-1314, United States of America.	
Inventors	:	RUDOLF LIMPAECHER – U.S.	
Kind of Application	:	Convention-Complete	

Application for Patent Number 1518/Del/ 95 filed on 14<sup>th</sup> Aug. 95.  
Convention date 23.6.1995/ 08/494,236/ U.S.A

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) :  
Patent Office Branch, New Delhi – 110 008.

**( 10 Claims )**

A sequential discharge device for transferring energy from a power source into an output node, said device comprising:

- i) a plurality of energy storage elements connected to receive energy from the power source, wherein said plurality of energy storage elements includes a first energy storage element and a second energy storage element;
- ii) an output circuit including a shared inductive element connected between the plurality of energy storage elements and the output node;
- iii) a plurality of unidirectional switches, each of which is arranged to discharge a corresponding different one of said plurality of storage elements through said shared inductive element into the output node, each of said unidirectional switches having a control terminal through which it is turned on, wherein the plurality of unidirectional switches includes a first unidirectional switch connected to the first energy storage element and a second unidirectional switch connected to the second energy storage element; and

- iv) a control unit connected to the control terminals of the plurality of unidirectional switches and controlling the operation of the plurality of unidirectional switches, wherein the control unit is programmable to perform the steps of:
- charging the first and second energy storage element from the power source;
  - discharging a selected one of the first and the second energy storage elements through the shared inductive element into the output node; and
  - when its voltage reaches a preselected value, discharging the other one of said first and second energy storage elements through the inductive element into the output node.

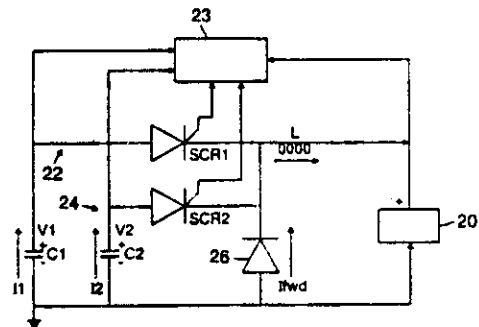


FIG. 1

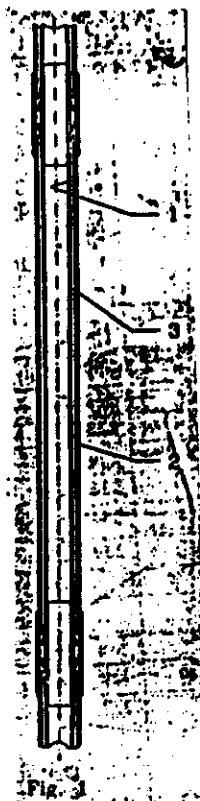
(Complete Specification 60 Pages ; Drawings 14 Sheets)

Indian Classification	:-	150 C	<b>192761</b>
International Classification <sup>7</sup>	:-	E 21 B 36/00	
Title	:-	"A Double Walled Insulated Tubing String and Method of Making Said Tubing String."	
Applicant	:-	Johann Springer, an Austrian citizen of Podbielskistrasse 42, D-30177 Hannover, Germany.	
Inventors	:-	JOHANN - SPRINGER - Austrian	
Kind of Application	:-	COMPLETE	
Application for Patent Number	1452/Del/1995	filed on	03/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 21 )

A double walled insulated tubing string (46) to be hung from a support means (58), said string comprising inner and outer tubes with a thermally insulating gap (30) between said inner and outer tubes, characterized in that said tubing string comprises plural lengths of outer tubes mechanically connected together to form an outer tubing string (22) and plural lengths of inner tubes mechanically jointed together to form an inner tubing string (21), said inner and outer tubing strings being discrete and separate from one another over substantially the whole lengths thereof.





Indian Classification :- 201 D **192762**

International Classification<sup>7</sup> :- C02 F 1/30

Title :- "Method and Apparatus for the Purification of the Polluted Gases and Liquids."

Applicant :- Ultralight AG, of Gewerbeweg, 9486 Schaanwald, Liechtenstein.

Inventors :- **KARL - PRZYBILLA**—German  
**GEROLD - PAESOLD**-Austrian

Kind of Application :- COMPLETE

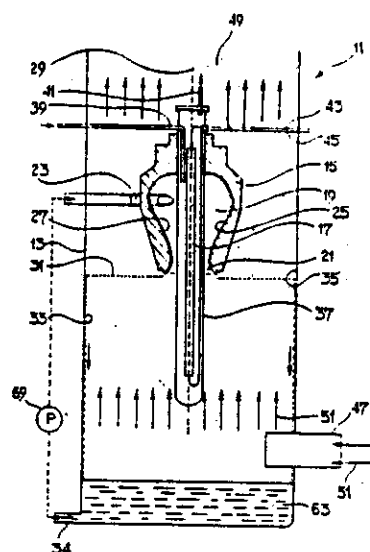
Application for Patent Number 1575/Del/1995 filed on 23/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 25 )

A method of purification of the polluted gases and/or liquids in a reactor (11;11';11";53), in which method the liquid flows down the reactor walls in the form of a falling film (33) and is simultaneously exposed to an electromagnetic radiation, characterised in that a cohesive surface film (31) is formed in the reactor by means of a nozzle (15) and in that the gas is passed through the surface film (31) so that mass transfer can take place from the gaseous phase to the liquid phase, wherein the process parameters are optionally controlled and regulated as and when required for obtaining better results.

FIG. 1



Complete Specincation

No of

19

Drawings  
Sheets

4

Indian Classification	-	145 F	192763
International Classification <sup>7</sup>	-	D21F 1/00	
Title	-	"A process for manufacture of paper."	
Applicant	-	Harpreet Singh, an Indian citizen, of 53 Hemkunt, New Delhi-110048, India.	
Inventors	-	HARPREET - SINGH -INDIA.	
Kind of Application	-	PROVISIONAL/COMPLETE	
Application for Patent Number	1059/Del/1995	filed on	09/06/1995

Complete left after Provisional Specification filed on :09/06/1995 Complete filed on 7/06/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 2 )

A process for the manufacture of paper from denim fabric wastes comprising the, following steps: (a) sorting the rags of denim fabric and cutting them into small pieces by conventional process; (b) removing the extraneous material from the said sorted and cut rags to remove therefrom the impurities; (c) beating the dusted rags in the conventional beating machine to obtained the heated rags characterized in that the said beated rags are converted into pulp using water sizing chemicals such as herein described; (d) preparing the paper with vat machines and draining the water therefrom to form a wet paper sheet; (e) applying the pressure by conventional means on the said wet paper sheet to form a woolen felt; (f) pressing the said wet sheets to form a woolen felt; (g) removing the water from the said wet sheet by pressing the said wet sheets along with the woolen felts at a pressure; (h) separating the pressed sheets from woolen felt and drying them; (i) applying a glue solution to the said dried sheets to be able to get calendering of the said sheets between the rollers of a calendering machine; sorting, cutting and packing the calendered sheets of hand made paper.

Provisional Specification	No of Pages	03	Drawings Sheets	NIL
Complete Specification	No of Pages	23	Drawings Sheets	NIL

Indian Classification :- 68 D 192764

International Classification<sup>7</sup> :- G05F 1/16

Title :- "A spark gap ignition apparatus for initiating the firing of a spark gap."

Applicant :- ERICO LIGHTNING TECHNOLOGIES PTY LTD. (ACN 078 495 646) a company organised under the laws of Australia, of Technopark, Dowsings Point, Tasmania, Australia.

Inventors :- JOHN RICHARD GUMLEY - AUSTRALIA.

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 2150/Del/1995 filed on 23/11/1995

Convention No. PM 9754/Australia/29/11/1994

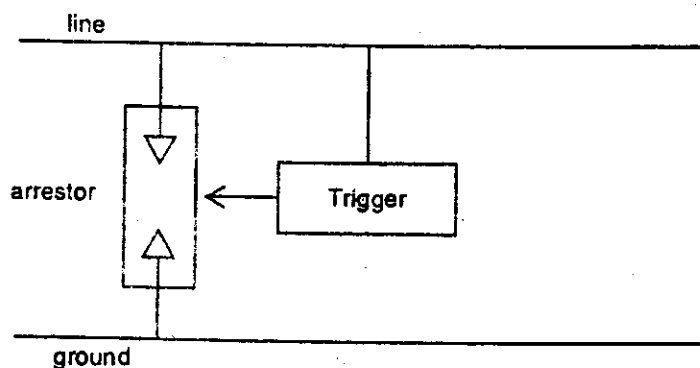
Convention No. PN 1082/Australia/13/02/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 6 )

A spark gap ignition apparatus for initiating the firing of a spark gap in response to a transient or over-voltage condition said apparatus comprising a spark gap arrestor provided between the line and ground rails to conduct overvoltage, said spark gap having main electrodes between which a main discharge current will flow between the line voltage rails as a result of the firing of the spark gap, wherein a voltage means is connected to the spark gap for providing a firing voltage exceeding the line voltage across the pair of main electrodes of the spark gap upon the occurrence of a predetermined transient or over-voltage condition.

Fig 1.

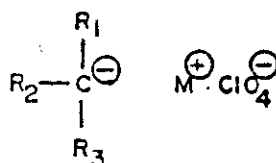


Indian Classification	-	32 E	192765
International Classification <sup>7</sup>	-	C 08F 120/06, C 08F 4/00	
Title	-	"AN IMPROVED PROCESS FOR THE PREPARATION OF POLYALKYL (METH) ACRYLATES USING A NOVEL INITIATOR SYSTEM"	
Applicant	-	Council of Scientific and Industrial Research, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.	
Inventors	-	DURAIRAJ - BASKARAN - INDIAN SWAMINATHAN - SIVARAM - INDIAN	
Kind of Application	-	COMPLETE	
Application for Patent Number	2461/del/1995	filed on	29/12/95

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 8 )

An improved process for the preparation of polyalkyl(meth) acrylates using novel initiator system comprising polymerizing the alkyl (meth) acrylic monomer in the range of 0.1 to 0.3 moles/Litre in the presence of initiator in the range of 0.3 to 2 moles/Litre comprising a carbanion and a metal or non-metal salt of perchloric acid, said initiator having the formula (i) wherein  $R_1$  = linear or branched alkyl group having one to six carbon atoms,  $R_2$  = phenyl or alkyl group having one to six carbon atoms,  $R_3$  = a phenyl or an ester group and  $M^+$  is an alkali, alkaline earth metal or quaternary ammonium cation containing 1-8 carbon atoms in an alkyl group thereof in a mole ratio of organolithium compound to metal or non-metal perchlorate is between 1:1 to 1:20 in a solvent to obtain poly alkyl (meth) acrylates.



Indian Classification :- 61 H 192766

International Classification<sup>7</sup> :- A61F 13/46

Title :- "A Resilient Structure of Capillary Channel Fibers for use in Absorbent Articles."

Applicant :- CLEMSON UNIVERSITY RESEARCH FOUNDATION, a non-profit educational institution, duly organized and legally under the laws of South Carolina, P.O. Box 946, Clemson, South Carolina 29633-0946, U.S.

Inventors :- THOMPSON HUGH ANSLEY -U.S.A.

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 742/Del/1995 filed on 24/04/1995

Convention No. 08/235,580/United States of America/29/04/1994

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 11 )

A resilient structure of capillary channel fibers for use in an absorbent article comprising a plurality of bicomponent capillary channel fibers capable of intra-fiber fluid transport, said fibers having a base portion and at least two capillary channel walls extending from said base portion forming an open capillary channel, said capillary channel walls having a base end and a distal end, said capillary channel walls and said base portion being comprises of a first polymeric material having a first melting point temperature from 120°C to 300°C, said distal ends of a said capillary channel walls being comprises of a second polymeric material having a second melting point temperature form 80°C to 260°C lower than the first melting point temperature, said fibers being bond together at their distal ends by heat applied to said fibers at a temperature below said first melting point temperature and above said second melting point temperature, to form an interconnected network of capillary channel fibers capable of inter-fiber fluid transfer between the capillary channels of the bonded capillary channel fibers.

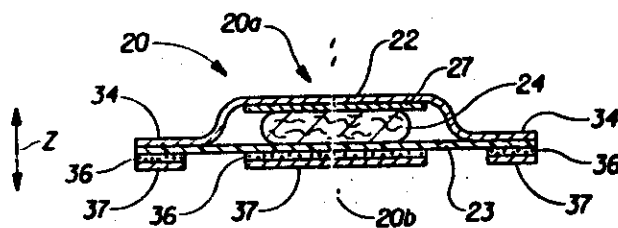


Fig. 2

Indian Classification :- 9 F 192767

International Classification<sup>7</sup> :- C04B 35/56

Title :- "A Process for the Manufacture of Ceramic - Carbon Composite." -\*

Applicant :- Department of Science & Technology, Government of India, Technology Bhawan, New Mehrauli Road, New Delhi-110016.

Inventors :- LALIT MOHAN MANOCHA -INDIA.

Kind of Application :- PROVISIONAL/COMPLETE

Application for Patent Number 1967/Del/1995 filed on 27/10/1995

Complete left after Provisional Specification filed on 31/01/1996 :27/10/1995 Complete filed on :

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 7 )

A process for the manufacture of Ceramic-Carbon composite comprising subjecting the raw/green coke obtained from petroleum or coal tar pitch base to mechanical treatment and grinding it in a ball mill for a period ranging from 60-80 hours to obtain fine particle sized material of 2-6 micron, adding to the said particle size material silicon carbide powder of 800-1200 mesh particle, subjecting the said mixture of said particle size and silicon carbide particle to a moulding pressure of 350-900 kg/cm<sup>2</sup> in a hydraulic press, sintering the said mixture in an inert atmosphere as herein described upto 800-1200°C with rate of heating increasing from 1°C per minute to 10°C per minute, subjecting the said sintered material to a further heating upto 2000-2400°C in an another inert atmosphere as herein described, thus forming the carbon-ceramic composite.

Provisional Specification	No of Pages	5	Drawings Sheets	NIL
Complete Specification	No of Pages	13	Drawings Sheets	NIL

Indian Classification	-	14 C	192768
International Classification <sup>7</sup>	-	H01M 8/14	
Title	-	"A Matrix for use in Carrying Carbonate Electrolyte and a method of Manufacturing the same."	
Applicant	-	Energy Research Corporation, a corporation of the State of New York, United States of America, of 3 Great Pasture Road, Danbury, Connecticut 06813, United States of America.	
Inventors	-	MOHAMMAD - FAROOQUE - U.S.A, CHAO- YI- YUH - U.S.A.	
Kind of Application	-	COMPLETE	
Application for Patent Number	1621/Del/1995	filed on	31/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

( Claims 36 )

A matrix for use in carrying carbonate electrolyte in a carbonate fuel cell (1) comprising an anode section (2) and a cathode section (3), wherein the said anode and cathode sections (2) and (3) are separated by a matrix (4), characterised in that said matrix (4) comprises of: a support member provided with support particles (4a) of a first size of the kind such as herein described; and crack attenuator particles (4b) of a second size of the kind such as herein described, wherein said crack attenuator particles (4b) are larger than said support particles of said first size and are distributed within the said support particles (4a), wherein said crack attenuator particles (4b) have a platelet or diskette shape, optionally the said support member is provided with further crack attenuator particles of the kind such as herein described, wherein said further crack attenuator particles comprises of a mean diameter substantially equivalent to the mean diameter of the said crack attenuator particles of the said second size.

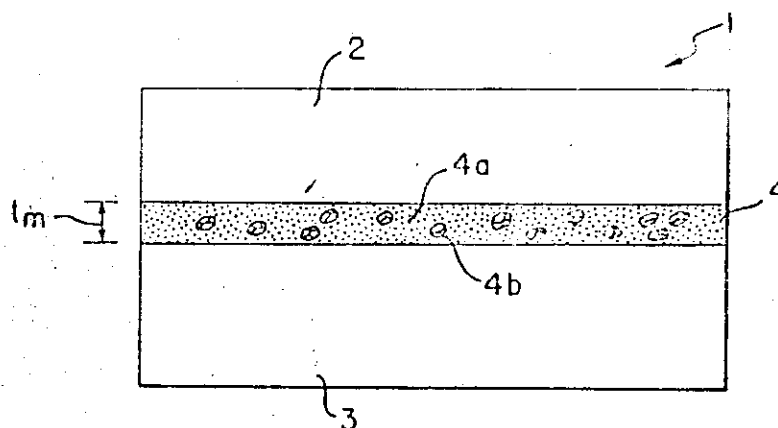


FIG. 1

Indian Classification :- 173 B **192769**

International Classification<sup>7</sup> :- B05 B 5/025

Title :- "A cartridge for an electrostatic spraying device and a device comprising the same."

Applicant :- Reckitt Benckiser (UK) LTD., of 103-105 Bath Road, Slough, Berkshire SL 13UH, United Kingdom and Imperial Chemical Industries PLC., a British company of Imperial Chemical House, Millbank, London SW1P 3JF, U.K.

Inventors :- GAY JOYCE CORNELIUS -U.K.,  
TIMOTHY JAMES NOAKES -U.K.,  
ANDREW -JEFFERIES -U.K.,  
MICHAEL LESLIE GREEN -U.K.,  
MAURICE JOSEPH PRENDERGAST -U.K.,

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 1632/Del/1995 filed on 04/09/1995

Convention No. 9418039.5/United Kingdom/07/09/1994

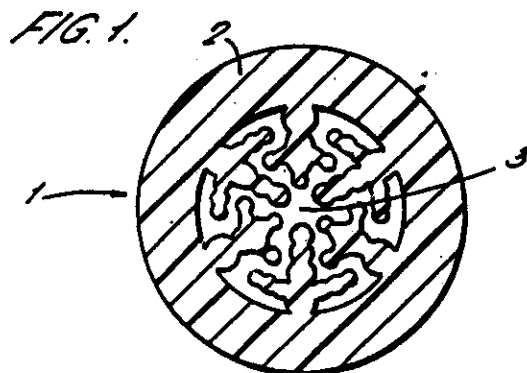
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 24 )

A cartridge for the storage of a liquid suitable for electrostatic spraying device, which cartridge comprises: (a) a cartridge body containing a reservoir of an electrostatically sprayable liquid; (b) a capillary structure which comprises a hollow tube having a convoluted inner surface and being formed of a polymeric material which is impermeable to the liquid, the capillary structure at one end contacting the reservoir of the liquid and at the other end terminating in an atomisation tip, the capillary structure being such that when oriented substantially vertically and with the atomisation tip uppermost, the capillary action is sufficient to transport the liquid to the atomisation tip; and (c) means for providing an electrical connection to a high voltage source.

Complete Specification No of Pages 17

Drawings Sheets 2





Indian Classification	:-	66 B	192770
International Classification <sup>7</sup>	:-	H01M 2/10	
Title	:-	"A Retention Latch."	
Applicant	:-	Black & Decker Inc., a corporation organised and existing under the laws of the State of Delaware, United States of America, of 1423 Kirkwood Highway, Newark, Delaware 19711, United States of America.	
Inventors	:-	RODERICK FRANCIS BUNYEA -U.S.A, ALFRED HERBER JUDGE -U.S.A, ALVYDAS PETRAS KARASA -U.S.A, PHILIP THOMAS MILLER -U.S.A, ALLEN PATRICK SMITH -U.S.A, THOMAS JEFFERSON WHEELER -U.S.A.	
Kind of Application	:-	COMPLETE/CONVENTION	
Application for Patent Number		1500/Del/1995	filed on 11/08/1995
Convention No.		08/289,158/United States of America/11/08/1994	
Convention No.		08/479,586/United States of America/07/06/1995	

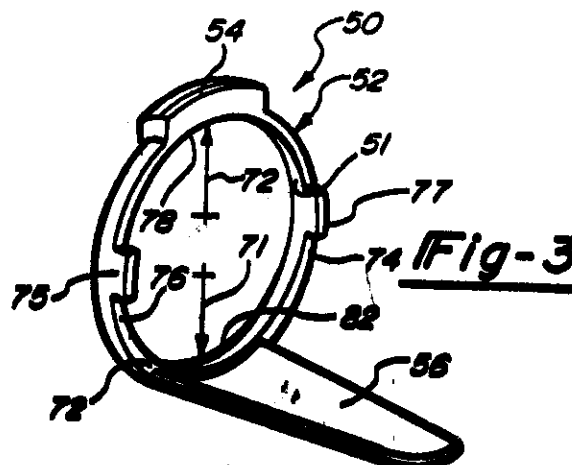
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi  
Branch - 110 008.

( Claims 28 )

A retention latch to be positioned within a device for retaining a battery in the device, said retention latch characterized by at least one annular member said annular member for engaging with the battery; a release member coupled with said at least one annular member, said release member to be activated to move said annular member to a release position to enable the battery to be removed from the device; and spring means for biasing said annular member between a normally engaged position and its release position, said spring means coupled with said at least one annular member.

Complete Specification	No of Pages	29
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Drawings Sheets	10
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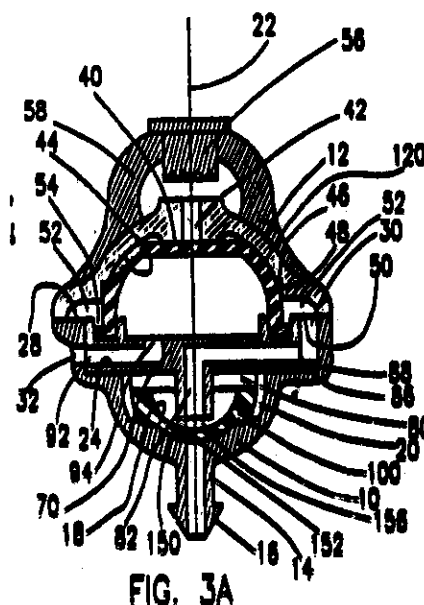
Indian Classification	:-	5 D	<b>192771</b>
International Classification <sup>7</sup>	:-	F16K 15/00	
Title	:-	"A Drip Irrigation Device."	
Applicant	:-	Naan Irrigation systems, an Israel registered partnership of Kibbutz Naan, 73263 Israel.	
Inventors	:-	ELDAD - DINUR - ISRAEL.	
Kind of Application	:-	COMPLETE	
Application for Patent Number	1021/Del/1995	filed on	02/06/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

( Claims 5 )

A drip irrigation device comprising: a housing defining an inlet (410) receiving water under pressure, and an outlet (424); flow control apparatus governing the supply of water from said inlet (410) to said outlet (424); and a flow control diaphragm (408) initially spaced from said outlet (424) and in response to pressure buildup at least partially blocks the outlet (410) and thereafter permits the flow of water from said inlet (410) to said outlet; characterized in that said diaphragm (408) has first and second operative orientations, wherein when the pressure on the diaphragm is below a given threshold the diaphragm has a first orientation in which the diaphragm is spaced from said outlet (424) and in which the diaphragm (408) presents a convex surface facing the inlet (410) and when the pressure on the diaphragm is above said threshold, the diaphragm has a second orientation in which the diaphragm is spaced from said inlet (410) and in which the diaphragm is partially collapsed, presents a convex diaphragm surface facing the outlet (424) and defines a pressure reducing opening adjacent said outlet (424), said diaphragm (408) providing pressure responsive flow control taking place at a peripheral edge of said outlet as a function of the propinquity of the diaphragm thereto in response to said pressure applied to the diaphragm.

Complete Specification	No of Pages	22
Drawings Sheets	9	



Ind. Cl. : 201 D 192772  
Int. Cl.<sup>7</sup> : C02 F 1/00  
Title : A process for preparation of a formulation for Sanitising of Water.  
Applicant : MED INDIA, A PROPRIETORSHIP FIRM WHOSE  
PROPRIETOR IS ABHIMANYU SINGH OF POCKET-D,  
FLAT NO. 9, MAYUR VIHAR, PHASE-II, NEW DELHI- 110091.  
Inventor : DINESH SHUKLA - INDIA.  
Kind of Application : Complete  
Application for Patent Number : 1799/Del/1995 filed on 29/09/1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch-110 008.

(Claims 2)

A process for preparation of a formulation for sanitizing of water, wherein the process comprises :

- (a) Preparing a master batch catalyst solution by mixing the first catalyst solution with the second catalyst solution in the ratio between the range of 1:0.8 to 1.5:2.5; wherein said first catalyst solution comprises Argenteneous Oxide ( $\text{Ag}_2\text{O}$ ) in 5% Nitric acid ( $\text{HNO}_3$ ), Pine gum or Neem gum and Tartaric acid and wherein the said second catalyst solution comprises Silver Nitrate ( $\text{AgNO}_3$ ) food grade starch, Platinum Iodine ( $\text{PtI}_2$ ) and Phosphorus Pentaoxide ( $\text{P}_2\text{O}_5$ ).
- (b) Preparing the formulation of the present invention by adding 70 to 90 volumes of hydrogen peroxide ( $\text{H}_2\text{O}_2$ ) to every volume of master batch catalyst solution obtained by step (a).

Complete Specification No. of pages 11

Drawings Sheets Nil

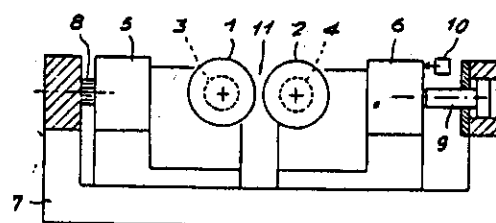
Indian Classification	-	33H	192773
International Classification <sup>7</sup>	-	B22D-11/06	
Title	-	"A Process for the Manufacture of Metal Strips."	
Applicant	-	Usinor, a French company, of Immeuble "La Pacific", 11/13 Cours Valmy, La Defense 7, F-92800 Puteaux, France and THYSSEN STAHL AKTIENGESELLSCHAFT, a German company, of Kaiser-Wilhelm Strasse 100, D-4100 Duisburg 11, Germany.	
Inventors	-	GILLES - FELLUS - FRANCE, YVES - LECLERCQ - FRANCE, FRANCOIS - MAZODIER - FRANCE, LUC - VENDEVILLE - FRANCE, YANN - BREVIERE - FRANCE, OLIVIER - SALVADO - FRANCE.	
Kind of Application	-	COMPLETE	
Application for Patent Number	2429/Del/1995	filed on	28/12/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 8 )

A process for the manufacture of metal strips comprising the steps of: pouring molten metal between two rolls having parallel axes, the rolls being cooled and driven in counter rotation each of which being rotatably support on a set of roll bearings; - extracting downwards a strip formed by two skins of metal solidified on contacting the cold walls of the rolls, entrained by the rotation of the rolls and joined up in the region of a neck between the rolls; - measuring the roll separation force (RSF); and - varying the position of at least one set of the roll bearings in order to increase or decrease the centre to centre spacing of the said rolls, characterized in that, it comprises steps of - predetermining a band ( $\Delta RSF$ ) of force values bracketing a desired nominal force ( $RSF_0$ ); - varying the position of at least one set of the roll bearing by a higher rate when the value of the measured force lies outside the said band than when it lies within the said band in order to keep said force constant.

FIG. 1



Complete Specification

No of Pages

21

Drawings Sheets

05

Indian Classification : 35 E 192774

International Classification<sup>7</sup> : C01B 39/44; BOIJ 29/65; C07C 5/27

Title : "A PROCESS FOR PREPARING FERRIERITE CRYSTALLINE ALUMINOSILICATE."

Applicant : SHELL OIL COMPANY, a company organized under the laws of the State of Delaware, U.S.A., of 909 Louisiana Street, Houston, Texas 77002, United States of America and PQ CORPORATION, a corporation organized under the laws of the States of Pennsylvania, U.S.A., of P.O. Box 840, Vally Forge, Pennsylvania 19482, United States of America.

Inventors : GARY MICHAEL PASQUALE - U.S.  
BRENDAN DERMOT MURRY - U.S.

Kind of Application : Convention-Complete

Application for Patent Number 1201/Del/ 95 filed on 28<sup>th</sup> June 95.

Convention date 7.6.1995/ 481724/ U.S.A

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 6 Claims )

A process for preparing a ferrierite crystalline aluminosilicate useful as an adsorbent, catalyst or catalyst support, said process comprising:

- preparing a mixture comprising sources of an alkali metal, silica, alumina and pyridine, said mixture having the following composition, in moles:  
 $\text{Al}_2\text{O}_3:60-500 \text{ SiO}_2:10-40\text{R} : 1.5-4\text{M}_2\text{O}:950-2000 \text{ H}_2\text{O}$   
wherein R is pyridine, M is an alkali metal and said sources of alkali metal and silica are such that there are 0.05 to 0.15 moles of OH for each mole of  $\text{SiO}_2$ .
- heating said mixture at a temperature of 140 to 180°C, and
- recovering the ferrierite by known method.

(Complete Specification 32 Pages ; Drawings 2 Sheets)

Indian Classification	:	189	192775
International Classification <sup>7</sup>	:	B31D 11/04	
Title	:	"A LOTION COMPOSITION FOR TREATING TISSUE PAPER FOR IMPARTING A SOFT LUBRICIOUS FEEL."	
Applicant	:	THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America, of one Procter & Gamble Plaza, Cincinnati, Ohio 45202, U.S.A.	
Inventors	:	THOMAS JAMES KLOFTA - U.S.A ALRICK VINCENT WARNER - U.S.A	
Kind of Application	:	Complete	

Application for Patent Number 1064/DEL/ 95 filed on 12<sup>th</sup> June 95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 15 Claims )

A lotion composition for treating tissue paper for imparting a soft, lubricious feel, which is semi-solid or solid at 20°C and characterized in that it comprises :

- (A) from 20 to 95%, of a substantially water free emollient having a plastic or fluid consistency at 20°C and comprising a member selected from petroleum-based emollients, fatty acid ester emollients, alkyl ethoxylates emollients, fatty acid ester ethoxylates, fatty alcohol emollients, and mixtures thereof;
- (B) from 5 to 80%, of an agent capable of immobilizing said emollients on the surface of tissue paper treated with the lotion composition, said immobilizing agent having a melting point of at least 35°C, and comprising a member selected from C<sub>14</sub>-C<sub>22</sub> fatty alcohols, C<sub>12</sub>-C<sub>22</sub> fatty acids C<sub>12</sub>-C<sub>22</sub> fatty alcohol ethoxylates, and mixtures thereof; and
- (C) optionally from 1 to 50%, of a nonionic hydrophilic surfactant such as herein described having an HLB value of at least 4; and
- (D) optionally from 1 to 50% of an additional hydrophilic surfactant selected from silicone polyether surfactants, dioctyl ester of sodium sulfosuccinic acid and mixtures thereof.

(Complete Specification 37 Pages Drawings 2 Sheets)

Indian Classification	:	206 E	192776
International Classification <sup>7</sup>	:	H04B 7/185	
Title	:	"SATELLITE COMMUNICATIONS SYSTEM."	
Applicant	:	MOTOROLA, INC., a corporation of the State of Delaware, United States of America, of 1303 East Algonquin Road, Schaumburg, Illinois, 601196.	
Inventors	:	KEITH ANDREW OLDS – U.S. GREGORY BARTON VATT – U.S. CHRISTOPHER NEIL KURBY – U.S.	
Kind of Application	:	Complete	

Application for Patent Number 1602/Del/ 95 filed on 29<sup>th</sup> Aug. 95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi – 110 008.

( 4 Claims )

A satellite cellular communications system employing a universal ring alert channel (48) having a universal frequency, said system comprising:

at least one satellite (1) comprising a transceiver (180) configured to project multiple communications cells (10-28) and to transmit a directory of said cell specific ring alert channels in a predetermined sequence using said universal ring alert channel (48) on said universal frequency; and

a subscriber unit (300) in communication with said at least one satellite (1) and comprising a frequency synthesizer (94) configured to tune a receiver (92) to receive transmissions from each of the multiple communications cells (10-28) projected by said at least one satellite (1), and wherein said transmissions are provided to a frequency/power detector (98) connected to said receiver (92) to thereby identify a best quality ring alert channel from the plurality of cell-specific broadcast channels, and wherein said frequency synthesizer (94) is configured to tune said receiver (92) to said universal frequency to thereby allow a controller (96) connected to said receiver (92) and said frequency/power detector (98) to determine the cell specific ring alert channel for the best quality ring alert channel from the predetermined sequence.

(Complete Specification 17 Pages ; Drawings 5 Sheets)

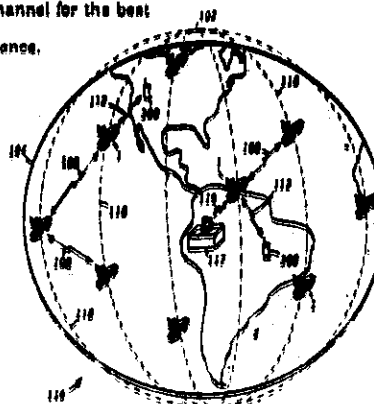


FIG. 1

Indian Classification	:-	129 G	192777
International Classification <sup>7</sup>	:-	B26D 1/00	
Title	:-	"A Cutting insert having a chipbreaker."	
Applicant	:-	Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, of P.O. Box 231, Latrobe, Pennsylvania 15650, United States of America.	
Inventors	:-	KENNETH LAWRENCE NIEBAUER -U.S.A.,	
Kind of Application	:-	COMPLETE	
Application for Patent Number	2112/Del/1995	filed on	17/11/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

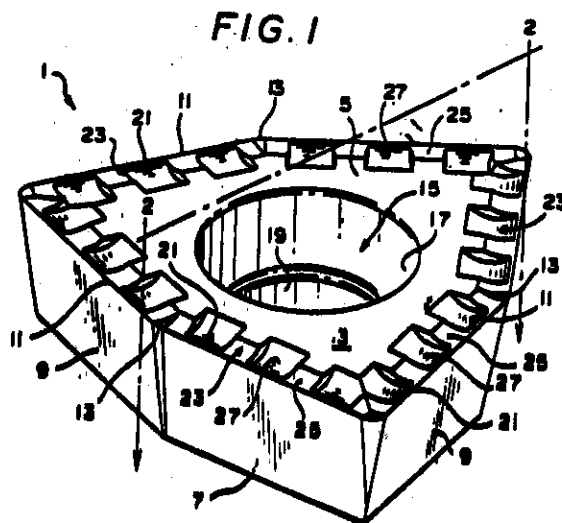
( Claims 16 )

A cutting insert having a chipbreaker for cutting a workpiece (55) by removing chips (61) of material therefrom, comprising: an insert body (3) having a top surface (5) and a bottom surface (7) and a side relief surface (9) and a cutting edge (11) defined by an intersection of said top (5) and side (9) surfaces characterized by: a chipbreaking means (23) for breaking chips (61) formed by said cutting edge (11) comprising an elongated groove (25) disposed on said top surface (5) adjacent to said cutting edge (11), said groove (25) having a back wall (34) for curling and work-hardening said chips (61), said back being opposite said edge (11) and terminating at a point higher on said top surface (5) than said edge (11), and a plurality of discrete recesses (27) axially spaced apart in said groove (25) having top edges (43) for engaging and corrugating said chips (61) to facilitate chipbreaking.

Complete Specification

No of Pages 14

Drawings Sheets 4





Indian Classification	:	206 E.	192778
International Classification <sup>7</sup>	:	H04N 5/76	
Title	:	"A TAPE LOADING DEVICE."	
Applicant	:	SONY CORPORATION, a Japanese company, of 7-35 Kitashinagawa, 6-Chome, Shinagawa-ku, Tokyo, Japan.	
Inventors	:	AKIRA KUMANO - INDIAN TSUKASA SASABE - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 2042/Del/95 filed on 8<sup>th</sup> Nov. 95.

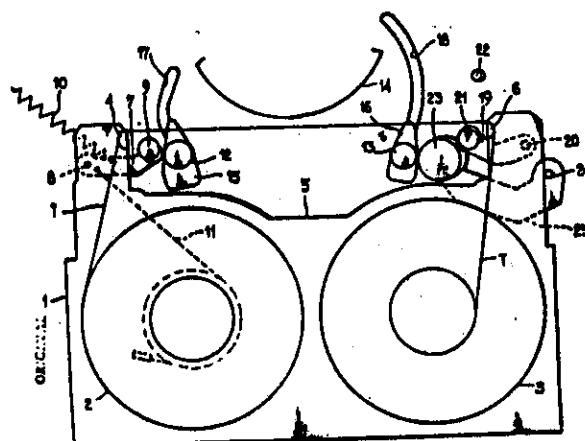
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 8 Claims )

A tape loading device wherein a tape unreeled from a tape cassette is traveled through a predetermined tape transport system and wound around a rotary drum, said tape loading device comprising:

A tape transport system comprising a tension regulator guide member (9) for supporting a tape (T) unreeled from a supply reel (2), a guide post (12) having a shuttle (15) for guiding said tape to an entrance side of said rotary drum (14), a guide post (13) having a shuttle (16) for guiding said tape to an exit side of said rotary drum and an exit guide member (21) for guiding said tape to a take-up reel (3), characterized in that said tension regulator guide member (9) and said exit guide member (21) are formed as inclined guide members having flanges (9a, 9b/21a, 21b) in order to twist said tape supported by said guide members, whereby a tape transport direction and a tape height direction can be changed and said tape can be wrapped around said rotary drum.

FIG. 1



(Complete Specification 13 Pages Drawings 3 Sheet)

Indian Classification	:	139(a) 66D	192779
International Classification <sup>4</sup>	:	B60L 1/02; H 05 B 3/10; B32B 3/12	
Title	:	<b>"ELECTRICALLY HEATABLE ACTIVATED CARBON ARTICLE FOR ADSORPTION AND DESORPTION APPLICATIONS AND A METHOD OF MAKING THE SAME".</b>	
Applicant	:	<b>CORNING INCORPORATED</b> , a corporation organized under the laws of the State of New York, United States of America, of Houghton Park Corning, New York 14831, USA.	
Inventors	:	<b>KISHORE PURUSHOTTAM GADKAREE-INDIAN BRIAN PAUL TYNDELL-US.</b>	
Kind of Application	:	<b>COMPLETE</b>	

Application for Patent Number **917/DEL/1995** filed on **22/05/1995**

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

**(28 Claims)**

An electrically heatable activated carbon article for adsorption and desorption applications, comprising a non-metallic monolithic structure having activated carbon, characterised in that said non-metallic monolithic structure comprising activated carbon consists of a non-electrically conducting inorganic substrate and said non-metallic monolithic structure is partially or wholly provided with a coating of activated carbon thereon and means for passage of a workstream therethrough, and conducting means of the kind such as herein described on the said structure, preferably on the opposing surfaces of the said structure for conducting an electric current therethrough.

(Complete Specification Pages 27 Drawing 02 Sheets)

Indian Classification :- 195 D **192780**

International Classification<sup>7</sup> :- F16 K

Title :- "Tapered Plug Valve."

Applicant :- BTR Plc., of Silvertown House, Vincent Square, London SW1P 2PL, England.

Inventors :- KEITH JEFFERY HOLLINGWORTH - ENGLAND.

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 1493/Del/1995 filed on 09/08/1995

Convention No. 9416307.8/United Kingdom/12/08/1994

Convention No. 9421689.2/United Kingdom/27/10/1994

Convention No. 9423235.2/United Kingdom/17/11/1994

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 8 )

A tapered plug valve comprising a body having a passageway therethrough for flow of medium and a tapered bore intercepting said passageway, a tapered plug having a wide end and a narrow end rotatably located in the bore and adapted to block said passageway in a closed condition of the valve, and a shaft separate from but drivably connected to said plug cause rotation thereof, the plug having a port adapted to be in communication with said passageway in an open condition of the valve characterized in that the said channel connects the narrow end of the plug to the wide end thereby enabling equalization of pressure at each said end.

Complete Specification No of Pages 10

Drawings Sheets 11

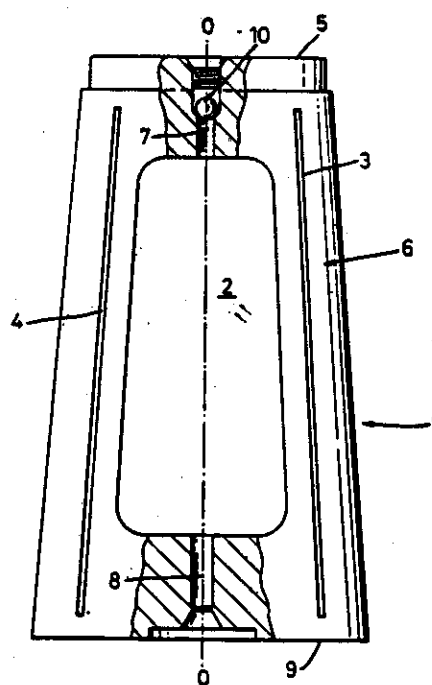


Fig. 1

Ind.Cl : 192781

Int. Cl.<sup>7</sup> : C02F 5/12, C01F 7/47, B01D 21/01 C01F 7/06

Title : A METHOD FOR TREATING A BAYER PROCESS LIQUOR STREAM CONTAINING SCALE FORMING COMPONENTS.

Applicant : CYTEC TECHNOLOGY CORP. OF 1105, NORTHMARKET STREET, SUITE 952, WILMINGTON, STATE OF DELAWARE 19801, U.S.A

Inventor : 1. ALAN S. ROTHENBERG  
2. PETER V. AVOTINS.  
3. ROBERT COLE  
4. FRANK KULA

Application no. 683/CAL/1997 FILED ON 21.4.1997

(CONVENTION NO. 08/639, 452 FILED ON 29.4.1996 IN U.S.A )

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

### **3 CLAIMS.**

A method for treating Bayer Process liquor stream containing scale forming components in a Bayer Process equipment which comprises adding to said liquor an effective scale inhibiting or scale modifying amount of a hydroxamic acid or salt group containing polymer having a weight average molecular weight ranging from about 1,000 wherein said hydroxamic acid or salt group containing polymer should be stable under high temperatures of 185-225°F and strong caustic conditions such as 80 to 400 g/l. total alkali content expressed as sodium carbonate equivalent.

*Complete Specifications : 7 pages.*

*Drawings: NIL*

Ind.Cl : 192782

Int. Cl.<sup>7</sup> : A23L 1/00 A23P 1/00

Title : A DEVICE FOR MAKING SHAPED PRODUCTS FROM PASTE/BATTER AND A METHOD FOR MANUFACTURE OF SUCH PRODUCT USING SAID DEVICE.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR 721 302, WEST BENGAL, INDIA

Inventor : 1. BASLINGAPPA MR. S.S.  
2. MAITY BISWAJIT DR..  
3. DAS S.K DR.  
4. MR. DAS BISWANTH.

Application no. 374/CAL/2001 FILED ON 06.07.2001

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

**30 CLAIMS.**

A device for making shaped products from paste/batter such as pulse based products /bori from batter/paste thereof comprising :

- i. at least one batter receiving chamber having an outlet at the bottom thereof and means for feeding batter into said chamber;
- ii. each said chamber provided with plunger means adapted for downward motion within said chamber for forcing better droplets/desired amount of batter through said outlet in said better receiving chamber during the downward motion;
- iii. piston means also housed within each said chamber and adapted for to & fro motion to thereby penetrate into the said better droplets/batter amount exited through said outlet of the receiving chamber extending beyond said outlet during its downward motion and subsequent release there from during its upward motion to thereby shape the product/bori obtained.

***Complete Specifications : 16 pages.***

***Drawings: 5 sheets***

Ind.Cl : 206- E 192783

Int. Cl.<sup>7</sup> : G01N 27/22

Title : A NOVEL HUMIDITY SENSING SYSTEM USING POROUS SILICON

Applicant : PROF. HIRANMAY SAHA, OF DEPARTMENT OF ELECTRONICS  
TELECOMMUNICATION ENGINEERING, JADAVPUR  
UNIVERSITY, KOLKATA -700 032, WEST BENGAL, INDIA

Inventor : 1. PROF. HARANMAY SAHA  
2. JAYOTI DAS  
3. SAGNIK DEY

Application no. 347/CAL/2001 FILED ON 25.6.2001

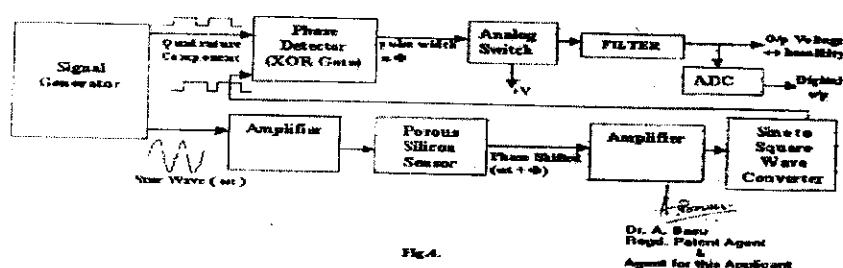
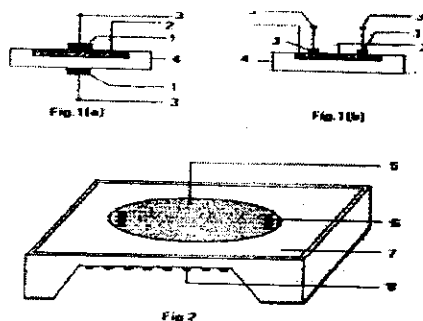
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

### 14CLAIMSS

A novel humidity sensing using porous silicon comprising in combination :

- a signal generator for generating signals to be measured and/or quantified;
- a plurality of amplifiers for amplifying signals generated;
- a sesor having porous silicon as the sensing element , with a porosity range of between 75 and 85 %;
- wave-form converter.
- phase detector (XOR) gate ;
- analog switch;
- filer and
- means for displaying the output voltage after scaling the same so as to indicate the humidity, as illustrated in Fig. 4 of the drawing.



Dr. A. Basu  
Regd. Patent Agent  
Agent for this Applicant

Complete Specifications : 8 pages.

Drawings: 1 sheets

Ind.Cl : 9 D 108 C(2) 192784

Int.Cl.<sup>7</sup> : C21D 6/00 C22 C 38/02 38/04 38/06 38/08 38/18, 38/20 38/22 38/24 38/32

Title : A PROCESS FOR PRODUCING WELDABLE QUALITY STEEL OF INCREASED TENSILE STRENGTH 850 Mpa(MIN) AND ABRASION RESISTANCE 4 TIMES THAT OF MILD STEEL

Applicant : STEEL AUTHORITY OF INDIA LTD. OF ISPAT BHAWAN, LODI ROAD, NEW DELHI - 110003.

Inventor : 1. ATUL SAXENA.  
2. SAJAL KANTI CHAUDHURI.  
3. BIMAL KUMAR PANIGRAHI.  
4. RAM AVTAR

Application no. 1709/CAL/1998 FILED ON 23.11.1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

### 2 CLAIMS.

A process for producing weldable quality steel of increased tensile strength 850 Mpa(min) and abrasion resistance 4 times that of mild steel the following steps in sequence:

- a) producing molten steel in BOF as well as in EAF;
- b) subjecting the molten steel produced in each of BOF and EAF to VAD treatment;
- c) casting the molten steel into slabs;
- d) hot rolling the slabs into plates of required thickness; and
- e) subjecting the plates to heat treatment; characterized in that

I. the starting materials fed in BOF are scrap, BF pig iron, iron ore and ferro-alloys, and those fed in EAF are scrap, iron ore, mill scale and ferro-alloys, the ferro-alloys fed in both BOF and EAF containing silico-manganese, high-carbon ferro-silicon, copper bars, ferro-molybdenum, ferro-bron, ferro-chromium, ferro-vanadium and aluminium bars in quantities required to produce steel of chemical composition (by weight %):

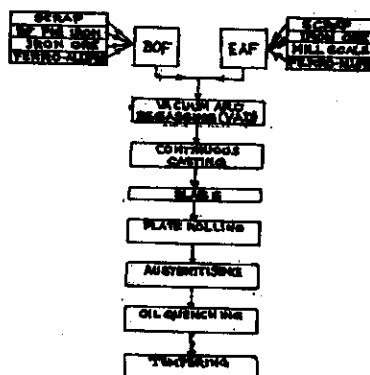
C-0.12 TO 0.16, Mn - 0.80 TO 1.00, Si- 0.20 TO 0.35, P-0.025 max, S-0.015 max, Cr-0.50 TO 0.65, Mo - 0.40 TO 0.50, Cu - 0.25 TO 0.35, Ni- 0.75 TO 0.85, V- 0.05 TO 0.08, Al- 0.02 TO 0.05, B- 0.0005 TO 0.002 and Fe- the balance;

II. VAD treatment is carried out at a vacuum level of 10 mbar;

III. slabs are cast in continuous casting method at a speed of 0.75 to 0.90 m/min and tundish temperature of 1540 to 1550°C;

IV. hot rolling slabs into plates is carried out by heating the slabs to 250°C in a furnace for 0.5 hr, then to 600°C at the rate of 25 to 30°C/hr, and finally to 1280°C for 2 hrs;

V. heat treatment of the plates is performed by austenitising at 920°C for 2 min/mm of plates thickness, quenching in oil, heating to and soaking at 650 to 690°C for 4 min/mm of plate thickness.



Ind.Cl : 192785

Int. Cl.7 : B22D 19/14 23/06 27/02

Title : A COMPLETELY CEMENT-AND ALUMINA HYDRATE-FREE CASTABLE COMPOSITION (ZCAHC) AND A PROCESS OF PREPARING THE COMPOSITION

Applicant : STEEL AUTHORITY OF INDIA LTD. OF ISPAT BHAWAN, LODI ROAD, NEW DELHI - 110003

Inventor : 1. PRASANTA NANDI.  
2. LAKSHMAN TIWARI.  
3. MANISHANKAR MUKHOPADHYAY

Application no. 1788/CAL/1996 FILED ON 10.10.1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

### 3 CLAIMS.

1. A completely cement-and alumina hydrate-free castable composition (ZCAHC) of loose bulk density 1.3-1.5 gm/ml and water requirement for casting 4-5% and suitable for producing pre-fabricated shapes/insitu casts, for use in metallurgical processes, characterised in that the said composition comprises (by weight %):

- (a) Sintered Alumina (SA)/White Fused Alumina (WFA) (of grain size 0.5-10 mm) - 30 to 65;
- (b) Sintered Alumina (SA)/White Fused Alumina (WFA) (of grain size below 0.1 mm) - 15 to 20;
- (c) Alumino Silicate i.e. Sillimanite (SLMT)/Kyanite (KYNT) (of grain size below 0.5 mm) - 0 to 25;
- (d) Calcined Microfine Alumina (CMA) (of grain size below 10  $\mu$ m) - 3 to 5;
- (e) Reactive Alumina (RA) (of grain size below 1  $\mu$ m) - 12 to 15;
- (f) Reactive Silica (RS) (of grain size below 0.5  $\mu$ m) - 4.9 to 4.8; and
- (g) Sodium Poly Phosphate (SPP) (of grain size below 45  $\mu$ m) - 0.1 to 0.2; the improved properties of the said composition being produced by the synergistic effect of the said ingredients (a) to (g) used.

Complete Specifications : 20 pages.

Drawings: 1 sheets



Ind.Cl : 192786

Int. Cl.<sup>7</sup> : F22B 21/00 F22D 7/00

Title : A HYBRID STEAM GENERAOR AND A STEAM GENERATING METHOD

Applicant : FOSTER WHEELER ENERGY CORPORATION, OF  
PERRYVILLE CORPORATE PARK, CLINTON, NEW JERSEY 08809-  
4000, U.S.A

Inventor : FRANCIS FITZGERALD

Application no. 214/CAL/1997 FILED ON 06.02.1997

(CONVENTION NO. 08/601.810 FILED ON 15.2.1996 IN USA )

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

#### 24 CLAIMS.

A hybrid steam generator comprising a furnace (12) at least a portion of the walls of which are formed by tubes (14) each of which has an inlet (19) and an outlet (20), a first fluid flow circuit (46,48) for introducing fluid into said inlets of said tubes for passage through said tubes to transfer heat from said furnace to said fluid to convert at least a portion of said fluid to steam, a separator (26) for separating said steam from said fluid, a second fluid flow circuit (22, 24) for connecting the outlets of the tubes with the separator under certain operating conditions to transfer the heated fluid from the tubes to the separator, and a third fluid flow circuit (36,38) for connecting the separator with the inlets of the tubes for transferring at least a portion of the separated heated fluid from the separator to the inlets of the tubes for recirculation through the furnace, the second fluid flow circuit comprising a bypass circuit (29) for passing at least a portion of the heated fluid from the outlets of the tubes directly to a steam utilization unit (16) under certain operating conditions.

**Complete Specifications: 16 pages.**

**Drawings: 1 sheets**

Ind.Cl : 99A  
 Int. Cl.<sup>7</sup> : A61B 17/00  
 Title : CONTAINER FOR SHARP INSTRUMENTS  
 Applicant : MICHAEL SHANE CAVANAGH OF 301, LIEUTENANT  
 BOWENDRIVE, BOWEN MOUNTAIN, NSW 2753, AUSTRALIA  
 Inventor : MICHAEL SHANE CAVANAGH

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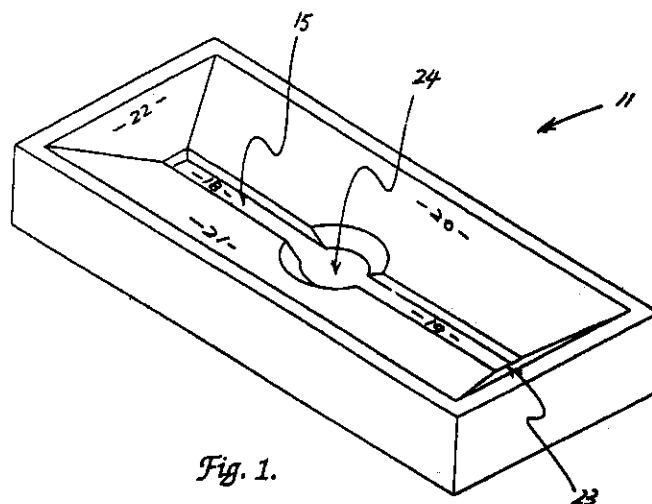
Application no. 751/CAL/1997 FILED ON 28.04.1997

(CONVENTION NO. PP19597 FILED ON 30.4.1996 IN AUSTRALIA )

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

**15 CLAIMS.**



*Fig. 1.*

1. A container (11) for holding a sharp instrument (12) having a cutting portion (14) and a handle portion (13) during surgical procedures, said container comprising: -
  - an instrument recess (15) adapted to receive at least the cutting portion (14) of said sharp instrument (12), the length of said instrument recess (15) being such that the said cutting portion (14) is located within said instrument recess (15) irrespective of the position of the instrument (12) in the instrument recess (15); and
  - guide means (20, 21, 22, 23) for guiding said sharp instrument (12) placed in said container (11) to said instrument recess (15);
  - the arrangement being such that a sharp instrument (12) having a cutting portion (14) and a handle portion (13) and received within said instrument recess (15) is positioned therein such that said cutting portion (14) is not directed towards the opening of the instrument recess whereby a user's fingers are substantially prevented from contacting said cutting portion.

Ind.Cl : 116B 192788  
 Int. Cl.<sup>7</sup> : E02D, 21/02, 21/04, B65G 37/00  
 Title : READY MIXED CONCRETE CONVEYING APPARATUS  
 Applicant : KABUKI CONSTRUCTION CO. LTD.OF 31-5, 3-CHOME, TAKADA,  
 TOSHIMA-KU, TOKYO 171, JAPAN  
 Inventor : TAKEDA MITSUO

Application no. 699/CAL/2000 FILED ON 19.12.2000

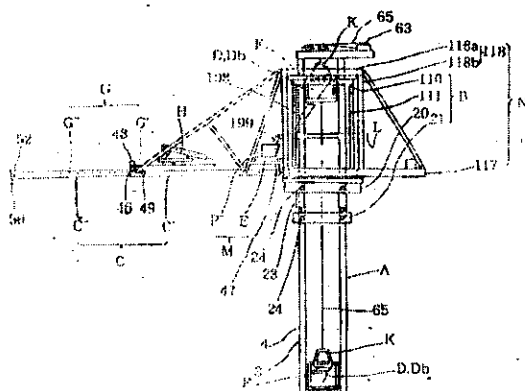
(DIVIDED OUT OF NO. 317/CAL/1996 ANTI-DATED TO 22.02.1996)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

## 2 CLAIMS.

Ready mixed concrete conveying apparatus comprising a tower mast (A), a lift (B) arranged on the tower mast (A) so as to be liftable, a rotary portion (N) arranged on the lift (B) so as to be rotatable, and a boom (C) which is arranged on the rotary portion (N) and which comprises a single boom or a plurality of connected booms; wherein-  
 the tower mast (A) is provided with a container- like carrier (D) used for conveyance of ready mixed concrete so as to be liftable;  
 the boom (C) is provided with a belt conveyor (G) for conveyance of the concrete fed from the carrier (D) directly or through transferring means (D); a tripper (H) is arranged at the single boom (C) or at least one of the connected booms (C) located at a mounting side to the rotary portion; and  
 the carrier (D) is provided with supply means (E) for continuously and quantitatively feeding the concrete conveyed by the carrier (D) to the belt conveyor directly or through transferring means. .



Complete Specifications : 142 pages.

Drawings: 81 sheets

Ind.Cl : 116 B 192789  
 Int.Cl.<sup>7</sup> : E02D 21/02 21/04, B65G, 37/00  
 Title : AN APPARATUS FOR CONVEYING READY MIXED CONCRETE  
 Applicant : KABUKI CONSTRUCTION CO. LTD.OF 31-5, 3-CHOME, TAKADA,  
 TOSHIMA-KU, TOKYO 171, JAPAN  
 Inventor : TAKEDA MITSUO

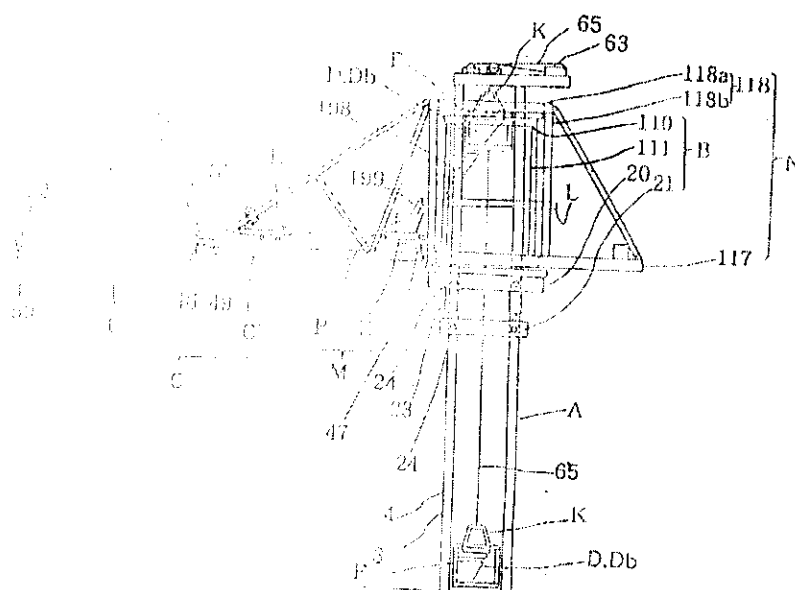
Application no. 698/CAL/2000 FILED ON 19.12.2000

(DIVIDED OUT OF NO. 317/CAL/1996 ANTEDATED TO 22.02.1996.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

## 2 CLAIMS.



An apparatus for conveying ready mixed concrete comprising a tower mast (A), a lift (B) arranged on the tower mast so as to be liftable, a rotary portion (N) arranged on the lift (B) so as to be rotatable, and a boom (C) which is arranged on the rotary portion (N) and which comprises a single boom or a plurality of connected booms; wherein -

the tower mast (A) is provided with a container-like carrier (D) used for conveyance of ready mixed concrete (F) so as to be liftable; and the boom (C) is provided with a belt conveyor (G) for conveyance of the concrete (F) conveyed by the carrier (D);

a tripper (H) is arranged at the single boom (C) or at least one of the connected booms (C) located at a mounting side to the rotary portion (N); and

the lift (B), the rotary portion or the boom (C) is provided with a transferring container (M) which comprises a receiving container (P) for receiving the concrete (F) conveyed by the carrier (D) directly or through transferring means additionally provided, and supply means (E) for continuously and quantitatively feeding the received concrete directly or through transferring means additionally provided.

***Complete Specifications : 145 pages.***

***Drawings: 81 sheets***

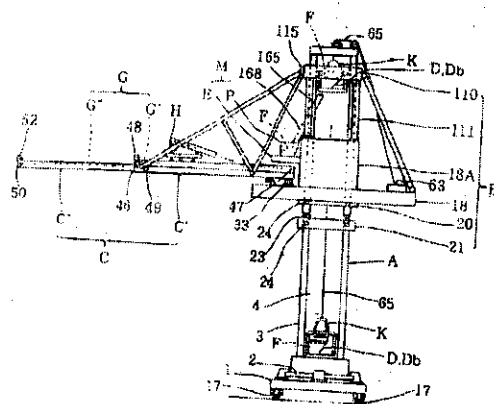
Ind.Cl : 116B 192790  
 Int.Cl<sup>7</sup> : E02D 21/02, 21/04, B65G 37/00  
 Title : APPARATUS FOR CONVEYING READY MIXED CONCRETE  
 Applicant : KABUKI CONSTRUCTION CO. LTD.OF 31-5, 3-CHOME, TAKADA,  
 TOSHIMA-KU, TOKYO 171, JAPAN  
 Inventor : TAKEDA MITSUO  
 Application no. 697/CAL/2000 FILED ON 19.12.2000

(DIVIDED OUT OF NO. 317/CAL/1996 ANTEDATED TO 22.02.1996)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)  
 PATENT OFFICE KOLKATA.

### 3 CLAIMS.

Apparatus for conveying ready mixed concrete comprising a tower mast (A), a lift (B) arranged on the tower mast (A) so as to be liftable, and a boom (C) which is arranged on the lift (B) and which comprises a single boom or a plurality of connected booms; wherein- the tower mast (A) is provided with a container-like carrier (D) used for conveyance of ready mixed concrete so as to be liftable; and the boom (C) is provided with a belt conveyor (G) for conveyance of the concrete conveyed by the carrier (D); a tripper (H) is arranged at the single boom (C) or at least one of the connected booms (C) located at a mounting side to the lift; and the lift (B) or the boom (C) is provided with a transferring container (M) which comprises a receiving container (P) for receiving the concrete conveyed by the carrier (D) directly or through transferring means additionally provided, and supply means (E) for continuously and quantitatively feeding the received concrete (F) to the belt conveyor (G) directly or through transferring means additionally provided.



Complete Specifications : 144 pages.

Drawings: 81 sheets

## CLAIM U/S 20(1) OF THE PATENTS ACT, 1970

The claim made by ACORDIS INDUSTRIAL FIBERS GMBH, of kasinostrasse 19-21, D-42103 Wuppertal, Germany, under section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 192684 1452/MAS/95 in their name has been allowed.

## OPPOSITION PROCEEDING (U/S. 25)

An opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a Patent to the application No. 187939 (1310/Del/1993) has been terminated and the application for patent has been ordered to proceed for sealing.

An opposition entered by M/s. Indian Space Research Organization, Bangalore to the grant of a Patent to the application No. 188875 (379/Del/1994) has been terminated and the application for patent has been ordered to proceed for sealing.

An opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a Patent to the application No. 189688 (827/Del/1994) has been terminated and the application for patent has been ordered to proceed for sealing.

An opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a Patent to the application No. 189932 (1357/Del/1994) has been terminated and the application for patent has been ordered to proceed for sealing.

An opposition entered by M/s. Hindustan Lever Limited, Mumbai to the grant of a Patent to the application No. 189941 (1587/Del/1994) has been terminated and the application for patent has been ordered to proceed for sealing.

In view of the non compliance of requirement under Rule 57 of the Patents Rules, 2003 by the opponents M/s. Bajaj Auto Limited, Pune against the grant of a patent on the application No. 189981 (1249/Cal/96) in the name of M/s. Yamaha Hatsudoki Kabushiki Kaisha, Japan which was notified on 13th December, 2003 has been treated as withdrawn.

The Opposition as entered by M/s. Hindustan Lever Limited, Mumbai-400 020 to the grant of a Patent on Application No. 190644 (102/BOM/1998) made by Alphacon Containers Pvt. Ltd., Mumbai-400 063 as notified in Gazette of India, Part III, Section 2 has been dismissed and it is ordered that the application for Patent No. 190644 shall proceed to sealing in the prescribed manner.

The Opposition as entered by M/s. Hindustan Lever Limited, Mumbai-400 020 to the grant of a Patent on Application No. 190661 (388/BOM/1998) made by Plastics Pvt. Ltd., Mumbai-400 063 as notified in Gazette of India, Part III, Section 2 has been dismissed and it is ordered that the application for Patent No. 190661 shall proceed to sealing in the prescribed manner.

An opposition has been entered by M/s. L.S. Davar & Co., Kolkata on behalf of M/s. Bajaj Auto Limited, Maharashtra to the grant of a Patent on application No. 191194 (948/Del/95) dated 25.05.1995 made by M/s. Honda Giken Kogyo Kabushiki Kaisha, Japan.

An opposition has been entered by M/s. L.S. Davar & Co., Kolkata on behalf of M/s. Bajaj Auto Limited, Maharashtra to the grant of a Patent on application No. 191272 (675/Del/95) dated 17.04.1995 made by M/s. Council of Scientific And Industrial Research, New Delhi.

## PATENTS SEALED ON 16-04-2004/KOLKATA

191214 191387 191612

KOL-03.

## PATENT SEALED ON 19/03/2004 (CHENNAI)

190285 190287 190288 190302

## PATENT SEALED ON 30/03/2004 (CHENNAI)

190106 190301 190861 190867

## PATENT SEALED ON 01/04/2004 (CHENNAI)

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## PATENT SEALED ON 02/04/2004 (CHENNAI)

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## PATENT SEALED ON 12/04/2004 (DELHI)


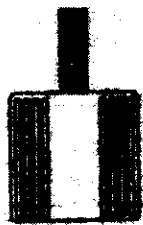


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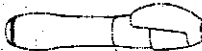

**REGISTRATION OF DESIGNS**

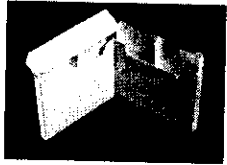
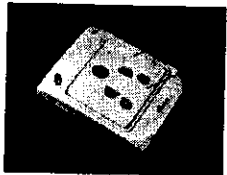


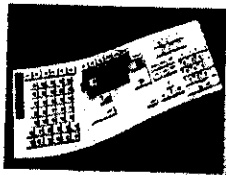
The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)

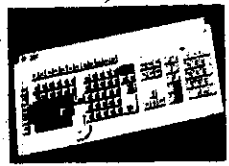

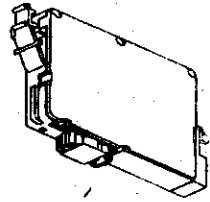
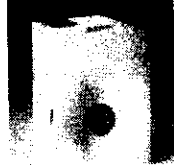
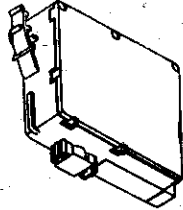
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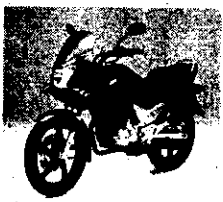


Class	19-06	No.193840. WRIGHT INDIA LIMITED, AT 4, B.B.D. BAG (EAST), STEPHEN HOUSE, 4 <sup>TH</sup> FLOOR, KOLKATA-700001, WEST BENGAL, INDIA. "BALL POINT PEN" 21.11.2003	
Class	02-07	No.193543. VARDHMAN VALLEY (INDIA) PVT. LTD., A-10, LOUIS PALACE, SHANKAR LANE, MALAD(W), MUMBAI: -400 064, MAHARASHTRA, (INDIA), "SHELF BUTTON" 17.10.2003.	
Class	02-07	No.193542. VARDHMAN VALLEY (INDIA) PVT. LTD., A-10, LOUIS PALACE, SHANKAR LANE, MALAD(W), MUMBAI: -400 064, MAHARASHTRA, (INDIA), "SHELF BUTTON" 17.10.2003.	
Class	19-06	No.193598. CELLO PLASTIC PRODUCTS., 5, GROUND FLOOR, VAKIL INDUSTRIAL WALBHAT ROAD, GOREGAON (E), MUMBAI-400063, STATE OF MAHARASHTRA, (INDIA), "BALL POINT PEN: 28.10.2003	

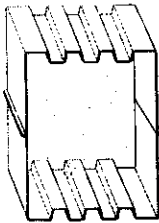


Class	05-05	No.194171. THE RISHABH VELVELEEN LIMITED AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 29.12.2003	
Class	19-06	No.189504. TODAYS WRITING PRODUCTS LIMITED, AT 251/2/2 VALSAD FALIA, NEAR JAIN TEMPLE, DADRA 396230, D & NH (U.T.) INDIA. "PEN" 17.07.2003.	
Class	19-06	No.189505. TODAYS WRITING PRODUCTS LIMITED, AT 251/2/2 VALSAD FALIA, NEAR JAIN TEMPLE, DADRA 396230, D & NH (U.T.) INDIA. "PEN" 17.07.2003.	
Class	19-06	No.189503. TODAYS WRITING PRODUCTS LIMITED, AT 251/2/2 VALSAD FALIA, NEAR JAIN TEMPLE, DADRA 396230, D & NH (U.T.) INDIA. "PEN" 17.07.2003.	
Class	14-02	No.192649. INDIAN INSTITUTE, OF SCIENCE, BANGALORE:-560 012, KARNATAKA, INDIA, AN INDIAN INSTITUTE. "COMPUTER KEYBOARD" 23.07.2003.	

Class	14-02	No.192650. INDIAN INSTITUTE OF SCIENCE, BANGALORE:-560 012, KARNATAKA, INDIA, AN INDIAN INSTITUTE. "COMPUTER KEYBOARD" 23.07.2003.	
Class	14-02	No.192651. INDIAN INSTITUTE OF SCIENCE, BANGALORE:-560 012, KARNATAKA, INDIA, AN INDIAN INSTITUTE. "COMPUTER KEYBOARD" 23.07.2003.	
Class	08-05	No.193167. RAJINDER LAMBA, NATIONALITY INDIAN, TRADING AS PROPRIETOR OF SHREE SHAKTI UDYOG, 1301/2, PREET NAGAR, NEAR DHURI RAILWAY PHATAK, LINK ROAD, LUDHIANA-141 003, PUNJAB, INDIA. "SICKLE" 09.09.2003	
Class	19-06	No.192868. BIC CORPORATION, OF 500 BIC DRIVE, MILFORD, CT 06460, U.S.A. "WRITING INSTRUMENT" 11.04.2003 (RECIPROCITY, U.S.A.)	
Class	19-06	No.19383. WRIGHT INDIA LIMITED, AT 4, B.B.D. BAG (EAST), STEPHEN HOUSE, 4 <sup>TH</sup> FLOOR, KOLKATA-700001, WEST BENGAL, INDIA. "BALL POINT PEN" 21.11.2003	

Class	09-03	No.193190. BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, A BRITISH COMPANY, OF GLOBE HOUSE, 1 WATER STREET, LONDON WC2R 3LA, U.K. "PACKAGE" 12.03.2003 (RECIPROCITY, U.K.)	
Class	13-03	No.192686. ESS ESS KAY ENGINEERING COMPANY LIMITED AT FACTORY AREA, P.B. NO.8, KAPURTHALA-144601, PUNJAB, INDIA "SOCKET" 28.07.2003.	
Class	05-05	No.193687. THE RISHABH VELVELEN LIMITED, AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARIWAR-249 407, U.P., INDIA. "TEXTILE FABRIC" 03.11.2003.	
Class	04-02	No.193000. GALA BRUSH LIMITED, AT HINDUSTAN KOHINOOR INDL. COMPLEX, GROUND FLOOR, OPP: M. T. N. L. GENERAL MANAGER'S OFFICE, L.B.S. MARG, VIKHROLI (W), MUMBAI-400083, MAHARASHTRA, INDIA. "SHOE BRUSH" 27.08.2003	
Class	14-02	No.192647. INDIAN INSTITUTE OF SCIENCE, BANGALORE-560 012, KARNATAKA, INDIA, AN INDIAN INSTITUTE. "COMPUTER KEYBOARD" 23.07.2003.	

Class	14-02	No.192648. INDIAN INSTITUTE OF SCIENCE, BANGALORE:-560 012, KARNATAKA, INDIA, AN INDIAN INSTITUTE. "COMPUTER KEYBOARD" 23.07.2003.	
Class	02-05	No.192154. THE RISHABH VELVELEN LIMITED, AT 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 12.05.2003.	
Class	14-02	No.192474. SEIKO EPSON CORPORATION, , OF 4-1, NISHI-SHINJUKU, 2-CHOME, SHINJUKU-KU, TOKYO, JAPAN. "INK CARTRIDGE FOR PRINTER" 06.05.2003 (RECIPROCITY, JAPAN)	
Class	09-01	No.192290. PACO RABANNE PARFUMS , OF 6 BOULEVARD DU PARC, 9200 NEUILLY SUR SEINE, FRANCE" 22.01.2003 (RECIPROCITY, FRANCE)	
Class	14-02	No.192476. SEIKO EPSON CORPORATION, , OF 4-1, NISHI-SHINJUKU, 2-CHOME, SHINJUKU-KU, TOKYO, JAPAN. "INK CARTRIDGE FOR PRINTER" 06.05.2003 (RECIPROCITY, JAPAN)	

Class	12-16	No.192559. HONDA GIKEN KOGYO KABUSHIKI KAISHA, A CORPORATION OF JAPAN, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN. "FRONT COWL WITH HEADLIGHT AND TURN SIGNAL FOR MOTORCYCLE" 15.01.2003 (RECIPROCITY, JAPAN)	
Class	12-16	No.192561. HONDA GIKEN KOGYO KABUSHIKI KAISHA, A CORPORATION OF JAPAN, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN. "REAR COMBINATION LAMP FOR MOTORCYCLE" 15.01.2003 (RECIPROCITY, JAPAN)	
Class	12-11	No.192560. HONDA GIKEN KOGYO KABUSHIKI KAISHA, A CORPORATION OF JAPAN, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN. "MOTORCYCLE" 15.01.2003 (RECIPROCITY, JAPAN)	
Class	03-04	No.190864. RAMESHWARLAL SAJJAN KUMAR, OF 51, EZRA STREET, CALCUTTA-700007, WEST BENGAL, INDIA. "CELLING FAN" 31.12.2002	
Class	02-04	No.191040. M/S. HARSH AUTO INDUSTRIES, K-57, UDYOG NAGAR, INDUSTRIAL AREA, PEERA GARHI CHOWK, ROHTAK ROAD, DELHI-110041, INDIA. "SOLE FOR FOOTWEAR" 20.01.2003	

Class	25-01	No.189976. PEEHR MATHIAS ORNEELDT SVENSSON OF VROLDVEJ 174, 8660 SKANDERBORG, DENMARK, A CITIZEN OF DENMARK. "A GIRDER OF INDETERMINATE LENGTH" 19.03.2002 (RECIPROCITY, DENMARK)	
Class	17-03	No.190078. PT. VISHWA MOHAN BHATT, C-16, MOTI MARG, BAPU NAGAR, JAIPUR-302015, RAJASTHAN, INDIA. "STRINGED MUSICAL INSTRUMENT CALLED THE VISHWA VEENA" 01.10.2002.	
Class	09-07	No.190243. GODREJ SARA LEE OF PIROJSHA NAGAR, EASTERN EXPRESS HIGHWAY, VIKHROLI (E), MUMBAI-400079, MAHARASHTRA, INDIA. "PACKAGE" 18.10.2002.	

Dr. S. N. MAITY

Controller General of Patents, Designs &amp; Trade Marks

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